	-			2 92676764	11659265	AA659265 AA642163 AT720552	A1720552
					AIB32340,	AW385222, AA193142	AA193142.
						AA879049,	A1124928,
				AA522984, A	AW361141,	AI253310,	AA148381,
					AA092811,	AA094304,	AW275829,
_				AI924211, 7	AI366559,	AW176708,	AA492126,
				AW389679, #	AW401887,	AA248521,	AW238554,
_				AW270021, 7	AA575977,	AA530955,	AA469406,
-				AA578589, 1	AI720986,	AW351917,	AI000746,
				AA459176, 1	AA886490,	AL038077,	AI459425,
		-			AA887030,	AW377099,	AW188463,
				AA172233, 7	AA095860,	AA550932,	AI525065,
_				AI253331, 7	AA643797,	AA526350,	AI434498,
				AL037048, 7	AI635477,	AI635477, AA630251,	AI557565,
					AA737110,	AA737110, AA291026,	AA610388,
				AW004905, 7	AA095848,	AA095848, AA485848,	AW044030,
				AI750150, AI557197, AA618334,	AI557197,	AA618334,	
				AA715869, AI204214, AA244429,	AI204214,	AA244429,	AA093878,
	•	_		AW419429, AA089795, AA285306,	AA089795,	AA285306,	C14174, AA468098,
_				AA112030, AW361105, AI557150, AI720912	AW361105,	AIS57150,	AI720912,
	_			AA098789, AA493969, AI628930, AA679857,	AA493969,	AI628930,	AA679857,
		_		AI912529,	X62996, X5	3334, VOO!	AI912529, X62996, X93334, V00662, J01415,
_	•	_		D38112, AF	134583, D3	18116, D38:	D38112, AF134583, D38116, D38114, X93347,
					1111, Y171	179, AJ2384	Y17171, Y17179, AJ238413, AL021068,
				125652			
1075 H	HHEQN62	875545	Preferably excluded from the	AA307385,	H38113, A)	1383794, Al	AA307385, H38113, AI383794, AF059531, AF059530
_			present invention are one or more				
			polynucleotides comprising a				
			nucleotide sequence described by				
•			the general formula of a-b, where a				
			is any integer between 1 to 542 of				
			SEQ ID NO:1075, b is an integer of				
			15 to 556, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID	-			
			NO:1075, and where b is greater				

			than or equal to a + 14.	
1076	HCQAF61	875546	Preferably excluded from the	AA148723, AA148592, U73633
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 406 of	
			SEQ ID NO:1076, b is an integer of	
			15 to 420, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1076, and where b is greater	
			than or equal to a + 14.	
1077	нсосх63	875547	Preferably excluded from the	AA496222, N52937, AI913219, AA984383, AA725524,
			present invention are one or more	AI800841
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 722 of	
			SEQ ID NO:1077, b is an integer of	
			15 to 736, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1077, and where b is greater	
			than or equal to a + 14.	
1078	HOVETS4	875548	Preferably excluded from the	AI333686, AA781729, AA770054, N66727, AI535727,
			present invention are one or more	R49091, T68994, AA011536, T61907, Z40664,
			polynucleotides comprising a	R70984, F03267, AA725067, R71002, AI557450,
			nucleotide sequence described by	AI536045, AW392670, AL119457, AL119324, U46347,
			the general formula of a-b, where a	AL043003, AW384394, AL119484, AL119443,
			is any integer between 1 to 885 of	AW363220, AL119439, U46350, U46351, Z99396,
			SEQ ID NO:1078, b is an integer of	AL134531, U46349, AL119319, AW372827, AL134527,
			15 to 899, where both a and b	AL134528, AL134530, AL134519, AL119391,
			correspond to the positions of	AL043147, AL119483, AL134132, AL134525,
			nucleotide residues shown in SEQ ID	AL134536, AL134538, AL119363, AL042989,
			NO:1078, and where b is greater	AL134533, AL119497, AL037205, AL119444,

			than or equal to a + 14.	AL119355, AL042965, AL119335, AL079442, U46346,
		_		U46341, AL119396, AR060234, AR066494, A81671,
				AB026436, AR054110, AR069079
1079	HRODW53	875550	Preferably excluded from the	AW195340, AW444826, AA947277, AA722891,
			present invention are one or more	AW009448, AI420841, AA731773, AI565025,
			polynucleotides comprising a	AI927332, AI336337, AI494131, AA947279,
			nucleotide sequence described by	AA808216, AI651452, AA825545, AW452410,
			the general formula of a-b, where a	
			is any integer between 1 to 2201 of	
			SEQ ID NO:1079, b is an integer of	AW079969, AW002549, AI467887, N24875, AA256877,
			15 to 2215, where both a and b	
			correspond to the positions of	AA766428, AA682799, AW183953, AA255868, H58733,
			nucleotide residues shown in SEQ ID	AW243205, AA931058, AI246223, H69591, H69785,
			NO:1079, and where b is greater	
			than or equal to a + 14.	
				AA812777, T77893, AA411001, AW367969, AW377666,
				AA354797, AI825279, AA677816, AW389598, H69023,
				H65620, AA419509, AI886081, AW377657, AA255471,
				AA648958, AW296622, W93427, AW183272, AI203101,
				AW389617, AW367976, AA815060, H67272, H65619,
				AI218105, AA256747, Z38443, H59593, F05460,
				AI634666, AI208005
1080	H2CBE60	875551	Preferably excluded from the	AA307347, R25920, D80022, D59859, AA305578,
			present invention are one or more	C14389, D80188, D59467, D51799, D80248, D80166,
			polynucleotides comprising a	D51423, D59619, D80210, D80240, D80253, D81030,
			nucleotide sequence described by	D58283, D59275, D80212, D80366, AA305409,
			the general formula of a-b, where a	C14331, D80219, D80043, D80195, D80522, D80391,
			is any integer between 1 to 585 of	D80164, D59787, D80227, D59502, C14014, D57483,
			SEQ ID NO:1080, b is an integer of	D59610, D81026, D80269, D80024, AA514186,
			15 to 599, where both a and b	D59889, D80196, D80133, D59927, C15076, D80038,
	_		correspond to the positions of	D50979, D51022, D50995, D51060, D80193, D80045,
			nucleotide residues shown in SEQ ID	AA514188, D80251, D80241, AW360811, D80378,
			NO:1080, and where b is greater	AW377671, AW177440, D80268, C14429, AW178893,
			than or equal to a + 14.	T03269, AW375405, AW360844, D80439, D80302,
				C75259, D80247, AW179328, AW366296, AW177501,
				AW177511, AW360817, AW375406, AW378534,

	The second secon
	AW352171, AW179332, AW377672, AW179023,
	AW178905, C05695, AW178906, AW178754, AW179024,
	AW377676, AW378532, D59373, AW177505, AW360841,
	AW179020, AW178775, AW178909, D80134, AW177456,
	D51250, AW352170, D80132, AW17731, AW178907,
	AW178762, D58253, AW179019, AW179018, AW352158,
	AW178971, D51759, D80157, AW352117, D51103,
	AW367967, AW367961, AW179004, AW179329,
	AW179012, AW178980, AW177733, AW378528,
	AW179007, AW178908, AW178983, AW352174, D52291,
	AW176467, AW179017, AW179009, F13647, AW178914,
	AW378543, AW378525, AW352163, T11417, D80168,
	AW352120, T48593, D81111, D59653, C06015,
	C14298, D58246, AWI78774, AWI78781, AWI78911,
	AW378540, AW177722, AI910186, C14227, AW177728,
-	D59503, D80064, D45260, D58101, AW360834,
	A1905856, D59627, C14407, Z21582, H67866,
	D80258, H67854, T03116, AW178986, AW367950,
	C03092, AW177723, AI525923, AA809122, D59317,
	AI535850, AW177734, AI525920, AI525917, D51221,
	D51213, A1557751, D59474, D45273, AA514184,
	AW177508, D80014, AW177497, C14957, C14973,
	C14344, AW378533, AA285331, D51097, D60010,
-	AI55774, AI535686, H67858, T03048, AW179013,
	D59551, AIS25535, AIS25912, T02974, AW178759,
-	AI525227, Z30160, C14046, D60214, AW378539,
	AIS25215, AIS25242, AW378542, C16955, AIS25925,
	AI525222, Z33452, C05763, D31458, AI525216,
	T02868, AW360855, AI525237, D80007, AF055668,
	AF055669, AR008278, A62298, AB028859, AJ132110,
	AR018138, A84916, A62300, AF058696, A82595,
	X67155, Y17188, D26022, Y12724, A25909, A67220,
	D89785, A78862, D34614, A94995, AR060385,
	AB002449, AR008443, D88547, I50126, I50132,
	I50128, I50133, AR016808, X82626, AR066488,
	AR016514, AR025207, AR060138, A45456, A26615,

				AR052274, AR066490, I14842, AF AR06281, AR062872, D13509, A6 A85396, D6 I19525, A8	AR052274, Y09669, A41192, A4 AR066490, AR066487, A30438, I14842, AR054175, D50010, Y1 AR0062872, A70867, AR016691, A AR052872, A70867, AR016691, A AR052872, AR0321, I795 A85396, A86792, I32384, X935 AF13255, AR032065, AR0332055, AR032065	AR052274, Y09669, A43192, A43190, AR038669, AR066490, AR066487, A30438, I18367, X64588, I18482, AR054175, D50010, Y17187, AR008277, AR008281, A62261, X68127, AR008408, AD012177, AR062872, A70867, AR016691, AR016690, U46128, D15509, A64116, A68321, I79511, AR060133, A862396, D88507, AR066482, A44171, A85477, I19525, A86792, I32384, X93549, U79457,	90, AR0386 8367, X645 87, AR0082 8408, AB01 016690, U4 AR060133 71, A85477	669, 888, 777, 2117, 6128,
1081	HWMCK4	875552	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 628 of SEQ ID No:1081, b is an integer of 15 to 642, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1081, and where b is greater than or equal to a + 14.	W44982, AC003042	:003042			
	HKAFL60	875553	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 556 of SEQ ID NO:1082, b is an integer of 15 to 570, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1082, and where b is greater than or equal to a + 14.	AI871640, AA731792, AL117328	A1809329, AA809789,	AIB71640, AIB09329, AW933495, AIG31630, AA731792, AA809789, H97646, AA564836, AI913067, AL117328	AI631630, A.1564836, A.	1913067,
1083	HUSXP66	875554	Preferably excluded from the present invention are one or more polynucleotides comprising a	AI800576, AI038673, AI800751,	AI376958, AW339528, AW371940,	AI800576, AI376958, AI087840, AW069881, AI038673, AW339528, AW440579, AI057432, AI800751, AW371940, AA560863, R06900, AA026058,	AW069881, AI057432, R06900, A	A026058,

			nucleotide sequence described by	AA252326				
			the general formula of a-b, where a					
			is any integer between 1 to 661 of					
			SEQ ID NO:1083, b is an integer of					
			15 to 675, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1083, and where b is greater					
			than or equal to a + 14.					
1084	HTLEY14	875556	Preferably excluded from the	AI631620,	AI631620, AL038838, AL038983,	AL038983,	AL038822,	
			present invention are one or more	AL037436,	AI142134,	AL040617,	AL044186,	
			polynucleotides comprising a	AL041238,	AL047012,	AL044037,	AL038532,	
			nucleotide sequence described by	AL047170,	AL040463,	AL037727,	AL040576,	
			the general formula of a-b, where a	AL045753,	AL041752,	AL045684,	AL040625,	
	_		is any integer between 1 to 614 of	AL047219,	AL044162,	AL041602,	AL043492,	
			SEQ ID NO:1084, b is an integer of	AL040839,	AL043677,	AL040193,	AL043467,	
			15 to 628, where both a and b	AL040510,	AL040621,	AL043538,	AL047183,	
			correspond to the positions of	AL043496,	AL040464,	AL046442,	AL041635,	
			nucleotide residues shown in SEQ ID	AL045817,	AL041133,	AL041324,	AL040322,	
			NO:1084, and where b is greater	AL041098,	AL044074,	AL040119,	AL041955,	
			than or equal to a + 14.	AL040294,	AL043923,	AL043814,	AL041096,	
				AL043845,	AL045920,	AL041163,	AL047057,	
				AL037435,	AL044064,	AL040149,	AL041459,	
				AL041730,	AL041523,	AL041159,	AL041577,	
				AL040472,	AL038761,	AL043627,	AL040052,	
				AL037295,	AL041374,	AL041292,	AL041358,	
_				AL046850,	AL040444,	AL041296,	AL040768,	
				AL040332,	AL043848,	AL041142,	AL042135,	
				AL043570,	AL041346,	AL046994,	AL041086,	
				AL046914,	AL040529,	AL040370,	AL040745,	
				AL046330,	AL041197,	AL039316,	AL046392,	
				AL040128,	AL044272,	AL134524,	AL045671,	
				AL047036,	AL041233,	AL040342,	AL037343,	
				AL037335,	AL044258,	AL040148,	AL040553,	
				AL040458,	AL044187,	AL044199,	AL037323,	
				AL044125,	AL049018,	AL044125, AL049018, AL040285,	AL045990,	

	AL046327, AL04	AL041277, AL040091, AL037443,
	AL040155, AL04	AL041347, AL041131, AL039744,
		AL044165, AL044274, AL040571,
		AL041051, AL040168, AL039643,
-	AL079878, AL04	AL040075, AL045989, AL041186,
	AL039432, AL04	AL042096, AL041246, AL040414,
	AL040253, ALO	AL041227, AL040090, AL043775,
		AL043941, AL037341, AL041140,
	AL045857, AL0	AL040082, AL041278, AL040329,
-	AL043444, AL0	AL079852, AL045725, AL039915,
	AL043612, AL0	AL040255, AL040238, AL040263,
	AL039360, AL0	AL042898, AL045328, AL037279,
	AL041210, AL04	ALO41210, AL049069, AL044529, AL047037,
	AL043537, Z30	Z30131, AL038745, T23957, T23985,
	AL080031, AL0	AL080031, AL046147, AA585439, AL045211, Z28355,
	AA585101, AI5	AA585101, AI541365, AI525556, AI541374,
	AI540967, AIS	AI540967, AI525431, AI541523, AI541514, T23888,
_	T11028, R2944	II1028, R29445, R28735, T41289, D61254,
	AI547039, AIS	AI547039, AI557731, AI526073, AL134110, R29177,
	AA585453, AIS:	AA585453, AI525320, AL047163, AA585476,
	AI525306, AI5	AI541535, AI546855, AA174170,
		AI541509, AI546828, AI535639,
	AI557262, AIS	AIS26194, AIS26140, AIS41017,
	AIS41013, AIS	AI541508, AI547295, AI546891,
	AI557787, AIS	AI557787, AI525316, C16305, AI546999, AL045327,
	AL041344, AIS	AL041344, AI541510, C16300, AI541390, AI557799,
	AI557807, D57	AI557807, D57491, AI541307, AL043440, R29218,
	C15189, AL036	C15189, AL036259, AL046097, AI525321, AI525328,
	AI526187, AIS	AI526187, AI526184, AI557238, AI546945,
	AL040385, AA5	AL040385, AA585438, D55233, C14723, AA585434,
	AI526144, AA5	AI526144, AA585356, AI546899, AI546875,
	AL045994, AJ2	AL045994, AJ239433, AI557796, AI541534,
	AI526176, AA5	AI526176, AA585440, AR064707, I15717, I15718,
	I08395, M2826	I08395, M28262, E13740, AJ244003, AJ244004,
	E03627, I4892	E03627, I48927, AJ244005, I08396, A60212,
_	A60209, A6021	A60209, A60210, Y16359, A60211, A98767, D78345,

	A93963, A93964, AR062872, I63120, AR017907,
	AR062873, AR062871, A25909, I06859, A18050,
	A23334, A75888, I70384, A90655, A02712, A60111,
	I84553, A23633, AR007512, AF082186, A81878,
	I84554, A77094, A77095, AR031566, A85395,
	A85476, I00682, A95051, A18053, A86792, A20702,
	A64973, A35536, A35537, X83865, A11623, E00609,
	A11624, A43189, A43188, A20700, A02135, A04663,
	A02136, A04664, A84772, A11178, E01007, A98420,
	A98423, A98432, A98436, A98417, A98427, A84776,
	A84773, A84775, A84774, I13349, A10361,
	AR067731, AR037157, AR054109, AR067732, A58522,
	 AR038855, AR043601, Al1245, A91750, I44681,
	I03331, A02710, E12615, I18895, AR035193,
	A92133, E14304, A07700, A13392, A13393, I62368,
	AR031488, I13521, I52048, A27396, A91965,
	E16678, AR027100, I49890, I44531, I28266,
	I21869, I44516, A70040, A82653, AF149828,
	E16636, A95117, A93016, A24783, A24782, A58524,
	I05558, A58523, I01995, I25027, I26929, I44515,
	I26928, I26930, I26927, I08051, I60241, I60242,
	AR038762, A20699, E00696, E00697, AR009151,
	I66485, I66487, E03813, I66482, I66483, I66484,
	I66498, I66497, I66496, AR038066, AR027099,
	I66486, AJ230935, AR051652, AR051651, AJ244007,
_	AJ230902, AR008429, A22738, I08389, X07299,
	D13316, AJ230972, AB025273, U94592, D50010,
	AJ230951, AR051957, AJ231009, Y09813, AJ238010,
_	E12584, X81969, I19525, AR066494, Z32836,
	AR035975, AR035977, I18302, D13509, A70872,
	AJ231028, E17098, I66495, I66494, A22734,
	AR022273, AJ230867, AR035974, AR035976,
	AR035978, A70869, AL137394, AB014583, AL080126,
	AJ230845, I36244, AR051864, D17247, AR051865,
_	A93923, A06631, S60422, AJ231011, A93916,
	Y14219, AR063812, A24548, A24546, I05845,

				101911 116015 11710996 T01669 T01668
				I33632, AR009152, A68112, A68104, I15353,
				A85203, I66481, A83642, A83643, I66488, E03654,
				I66489, I66490, I66491, I66492, I66493,
				AR054723, A05993, A05975, A05973, A05991,
				A05995, A83151, AR023813, AL133053, AL122101
1085	HOFMV44	87558	Preferably excluded from the	AA459463, AI219490, AA705318, AA459242,
			present invention are one or more	AA574007, N44974, N33185, AI246251, AW270960,
			polynucleotides comprising a	W96335, AI247249, AW118922
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 1342 of	
			SEQ ID NO:1085, b is an integer of	
			15 to 1356, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1085, and where b is greater	
			than or equal to a + 14.	
1086	HSL JN60	875559	Preferably excluded from the	AA043203, AA633788, AA779964, AA077596,
			present invention are one or more	AA993172, AA721605, AA993810, N58116, W02490,
			polynucleotides comprising a	AA812535,
			nucleotide segmence described by	AA978273 AA912417 AI015512 AA323882 N74558
			Transcription of the second of	
			the general formula of a-b, where a	AC002542
			is any integer between 1 to 689 of	
			SEQ ID NO:1086, b is an integer of	
			15 to 703, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1086, and where b is greater	
			than or equal to a + 14.	
1087	HCQAG54	875560	Preferably excluded from the	T59843, AA664394, AA224827, T59708
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 465 of	

SE 15	SEQ ID NO:1087, b is an integer of 15 to 479, where both a and b	
correst	correspond to the positions of	
NO:1087,	NO:1087, and where b is greater	
than or ec		
875563 Preferably		AI926573, AI733887, AI732593, AA132660,
present inv	present invention are one or more AA132832, AC006449	006449
porynacieou	polynucieotides compilating a	
the general	the general formula of a-b, where a	
is any integ	is any integer between 1 to 428 of	
SEQ ID NO:10	SEQ ID NO:1088, b is an integer of	
15 to 442, w	15 to 442, where both a and b	
correspond to	correspond to the positions of	
nucleotide re	nucleotide residues shown in SEQ ID	
NO:108B, and	NO:1088, and where b is greater	
than or equal to a + 14.	. to a + 14.	
875564 Preferably ex	the	AA418204, AI133717, AA007464, AA279666,
present invent	тоге	AA281169, N78164, AC006059, AF184110
polynucleotide	polynucleotides comprising a	
nucleotide sec	nucleotide sequence described by	
the general f	the general formula of a-b, where a	
is any integ	s any integer between 1 to 1060 of	
SEQ ID NO:10	SEQ ID NO:1089, b is an integer of	
15 to 1074,	15 to 1074, where both a and b	
correspond t	correspond to the positions of	
nucleotide 1	nucleotide residues shown in SEQ ID	
NO:1089, and	NO:1089, and where b is greater	
than or equa	than or equal to a + 14.	
875565 Preferably e		T12323, H54278, AA032022, Z19186, R92145,
present inve	r more	T19706, AA344428, AA031911, AW302758, AW187983,
polynucleot	polynucleotides comprising a AB033011	
nucleotide	nucleotide sequence described by	
the general	the general formula of a-b, where a	
is any inter	is any integer between 1 to 1149 of	

			SEO ID NO:1090 b is an integer of	
			15 to 1163, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1090, and where b is greater	
100	930 4 1011		than or equal to a + 14.	251000 COCOLU 3701000 OLOCCATE T3331044
1601	HZLAA38	1900/9	Freierably excluded from the	AASTOOM , AIDSZUIU, AIBIONUS, KIU/8/, DEUISO,
			present invention are one or more	D80212, D80022, C14389, C14331, D59619, D80210,
			polynucleotides comprising a	D80240, D80219, D59502, D58283, D81030, D59859,
			nucleotide sequence described by	D80043, D80195, D80391, D80164, D59787, D51423,
			the general formula of a-b, where a	D51799, D59275, D80253, D80227, D80193, C15076,
			is any integer between 1 to 757 of	D80196, D80045, D80188, D59467, D59927, C14429,
			SEQ ID NO:1091, b is an integer of	D80269,
			15 to 771, where both a and b	R10697, D50995, AA305409, D59610, D80378,
			correspond to the positions of	D80024, D80241, T03269, AW178893, D51060,
			nucleotide residues shown in SEQ ID	C75259, C14014, AW178775, D51022, D80268,
			NO:1091, and where b is greater	
			than or equal to a + 14.	
				D80949, F13647, AW369651, D59695, D80064,
				D80251, D80248, Z21582, D58253, AW178762,
				C14298, AA514188, AW177501, AW177511, C14227,
				D80133, D81111, C14407, AI910186, AA514186,
				AW352117, AW360811, D80132, AW378540, AI905856,
				AW377671, C05695, AW176467, AW375405, AW360844,
				AW179012, AW366296, AW360817, D80439, AW375406,
			•	AW378534, AW352171, AW179332, AW377672,
				AW179023, AW178905, AW177505, AW377676, D80247,
				AW178754, AW179024, AW352170, AW360834, D59373,
				AA285331, D51097, D80302, AW360841, AW179020,
				AW178909, AW177456, AW178906, AW177731,
				AW178907, AW179019, AW179018, AW178971,
				AI557751, D80157, AW352174, AW179004, AW179329,
				AW178980, AW177733, AW378528, AW179007,
			_	AW178908, T11417, AW179220, AW177714, C14077,
				AW179017, AW179009, AW178914, AW378543,
				AW378525, D51103, D51759, AW367967, AW177722,

			D80014. T03116. AW178983. AW352120. AW177728.
			AW178774, AW178781, AW178911, AW352163, D58101,
	_		D59627, D59503, D58246, D59653, T48593, D80258,
			C06015, D51213, AI557774, C03092, AW177723,
			AW378539, H67866, D45260, AI535850, AI525923,
_	*		T02974, C14975, AW378533, AW367950, AW178986,
			H67854, AA809122, AW177734, C14344, AW177508,
			C14046, AW177497, D45273, D80228, AI525917,
			D59317, C14973, D60010, D51221, H67858, D59474,
			AI525920, AIS35686, AA514184, AW179013, D59551,
-			AW178759, T03048, F13796, C14957, D60214,
			AI525227, AI525235, AI535961, C16955, Z33452,
			AI525242, AI525912, AW378542, C13958, AI525925,
			A62300, A84916, A62298, AJ132110, AR018138,
			X67155, Y17188, A67220, D34614, D26022, A25909,
			D89785, A78862, I82448, AF058696, D88547,
			AR008278, X82626, AB028859, AR025207, Y12724,
			AB012117, A82595, X68127, A94995, AR060385,
			A85396, AR066482, A44171, AB002449, A85477,
			AR008443, I19525, A86792, U87250, X93549,
			IS0126, IS0132, IS0128, IS0133, AR066488,
			AR016514, AR060138, A45456, A26615, AR052274,
	-		I14842, Y09669, A43192, A43190, AR038669,
			AR066490, AR066487, AR054175, A30438, I18367,
_			D88507, D50010, Y17187, AF135125, A63261,
			AR008277, AR008281, AR008408, AR062872, A70867,
			AR016691, AR016690, U46128, D13509, AB033111,
			A64136, A68321, AR060133, I79511, X72378,
			AR064240, U87247, I32384, AB023656, U79457,
			AF123263, AR032065, X93535, AR008382
1092 HCRQD82	3D82 875570	-	AW206804, AI337160, AI744024, H11326, AA886435,
		present invention are one or more	F10033, AA255487, AI499829, AW188608, AA508761
		polynucleotides comprising a	
		nucleotide sequence described by	
		the general formula of a-b, where a	
		is any integer between 1 to 743 of	

SEQ ID NO:10	SEQ ID NO:10	SEQ ID NO:1092, b is an integer of				
		15 to 757, where both a and b				
		correspond to the positions of				
-		NO.1092 and where b is greater				
		than or equal to a + 14.				
HCRPV05	875572	Preferably excluded from the	AI955141,	AI744943,	R16287, F	AI955141, AI744943, R16287, R15781, AI440022
		present invention are one or more				
		polynucleotides comprising a				
		nucleotide sequence described by				ē
		the general formula of a-b, where a				
		is any integer between 1 to 619 of				
		SEQ ID NO:1093, b is an integer of				
		15 to 633, where both a and b				
_		correspond to the positions of				
		nucleotide residues shown in SEQ ID				
		NO:1093, and where b is greater				
		than or equal to a + 14.				
HHECM62	875573	Preferably excluded from the	AI732599,	AA132796,	AW205259,	AI732599, AA132796, AW205259, AA885330,
		present invention are one or more	AA769901,	AI609831,	AW087786,	AA769901, AI609831, AW087786, AI423901,
		polynucleotides comprising a	AA313420, AI791778	AI791778		
		nucleotide sequence described by				
		the general formula of a-b, where a				
		is any integer between 1 to 534 of	_			
		SEQ ID NO:1094, b is an integer of				
		15 to 548, where both a and b				
		correspond to the positions of				
		nucleotide residues shown in SEQ ID				
		NO:1094, and where b is greater				
		than or equal to a + 14.				
HFOXW88	875574	Preferably excluded from the	AA146968,	AA699958,	AA700342	AA146968, AA699958, AA700342, AI378339,
		present invention are one or more	AA146969,	AA146969, R07642, R07689, AC006344	07689, AC	006344
		polynucleotides comprising a				
		nucleotide sequence described by				
		the general formula of a-b, where a				
		is any integer between 1 to 846 of				

	AI279511, AI679970, AA968450, AW081381, AI371994, AW450638, AI679532, N90808, AA399120, AA448632, AA398186, AA807135, R61258, AA769230, Z33585, R61259, AA746649, H10077, AA598764, R58928, AI700380, AL117693	AA682526, AI702143, AC006352	D44721
SEQ ID NO:1095, b is an integer of 15 to 860, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1095, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1140 of SEQ ID NO:1096, b is an integer of 15 to 1754, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1096, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 760 of 520 ID No:1097, b is an integer of 15 to 774, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1097, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polymucleotides comprising a nucleotide sequence described by a the general formula of a-b, where a is any integer between 1 to 150 of
	875578	875583	875584
	HWLXT17	HODAY72	нсов156
	9601	1097	1098

			SEQ ID NO:1098, b is an integer of					
			15 to 164, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1098, and where b is greater					_
			than or equal to a + 14.	•				
1099	HTTCM45	875585	Preferably excluded from the	AL133757, M78501	M78501			
			present invention are one or more					
			polynucleotides comprising a					_
			nucleotide sequence described by					_
			the general formula of a-b, where a					
			is any integer between 1 to 562 of					
			SEQ ID NO:1099, b is an integer of					
			15 to 576, where both a and b					
			correspond to the positions of					_
			nucleotide residues shown in SEQ ID					
			NO:1099, and where b is greater					_
			than or equal to a + 14.					-
1100	HARNM58	875587	Preferably excluded from the	AI640555,	AW341429,	AI640555, AW341429, AA010805, AW450715	AW450715,	
			present invention are one or more	AI040419,	AI167746,	AI040419, AI167746, AI123802, AA677191,	AA677191,	
			polynucleotides comprising a	AA972603,	AI342357,	AA972603, AI342357, AI050710, AI636070,	AI636070,	
			nucleotide sequence described by	AI636093,	AW104447,	AI636093, AW104447, AA011210, AW103112	AW103112,	
			the general formula of a-b, where a	AA625985,	AI050704,	H95386, W3	AA625985, AI050704, H95386, W31489, AW452276,	, 6
			is any integer between 1 to 815 of	R43183, R45091	16091			_
			SEQ ID NO:1100, b is an integer of					
			15 to 829, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1100, and where b is greater					
			than or equal to a + 14.	-				
101	HMIAQ09	875588	Preferably excluded from the	AI433411,	AA772279,	AI433411, AA772279, AA931112, AI580387	AI580387,	
			present invention are one or more	AW182214,	AW444853,	AW236085,	AW182214, AW444853, AW236085, H84320, AA38441,	441,
			polynucleotides comprising a	AA309603,	H84319, A.	AA309603, H84319, AA991549, AL133615	7133615	
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 1006 of					

			SEQ ID NO:1101, b is an integer of 15 to 1020, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1101, and where b is greater	
			than or equal to a + 14.	
1102	HE9MD57	685578	Preferably excluded from the	AA224205, AI750792, AI384092, AI827513,
			present invention are one or more	AI750808, AI081591, AA333825, R32422, R76408,
			polynucleotides comprising a	AA682395, R06653
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 579 of	
			SEQ ID NO:1102, b is an integer of	
			15 to 593, where both a and b	
			correspond to the positions of	
			The series residues shown in CEO ID	
			Months and them to the terror	
			NO:1102, and where b is greater	
			than or equal to a + 14.	
1103	нсоруез	875590	Preferably excluded from the	AI522107, AI378319, AA234318, AI692527, W38548,
			present invention are one or more	AI290259, AI470641, R19919, AA234561, AA973961,
			polynucleotides comprising a	F11345, F09005, R45139, AI470879, AW132159,
			nucleotide sequence described by	AA482991, AA988920, AA146698, H59248, H28631,
			the general formula of a-h where a	HORKIO DADOSORO NEKOSK NGOOGI DAGGEDRO
			is any integer between 1 to 1415 of	HERROL ATTAINOR ANDONIOR ANDORORY
			SEC IN NO.1103 his an integer of	ACOCCAL ACOCCAS
			15 to 1429, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEO ID	
			NO:1103, and where b is greater	
			than or equal to a + 14.	
1102	HWLRO57	875594	Preferably excluded from the	H13920, R82788, Y15909
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 713 of	

			SEQ ID NO:1104, b is an integer of	
			commend to the service of	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1104, and where b is greater	
			than or equal to a + 14.	
1105	ннеоое0	875596	Preferably excluded from the	AI638800, AI701032, AI568329, AI225238, Z82200
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 591 of	
			SEQ ID NO:1105, b is an integer of	
			15 to 605, where both a and b	
			correspond to the positions of	
_			Innologide residues shown in SEO ID	
	-		MO.1105 and where h is aventer	
			ייסיידים, מות ייוכיב בי ליכמרכי	
			than or equal to a + 14.	
1106	HMUBG89	875597	Preferably excluded from the	H98768, AI300431, AI076535, AI082879, AI689961,
_			present invention are one or more	H03865, AI701454, AI458282, N33061, W07734,
			polynucleotides comprising a	AI263212, R46614, T67479, AI991356, AI654356,
			nucleotide sequence described by	N78714, AI696043, N23489
			the general formula of a-b. where a	
			is any integer between 1 to 791 of	
			SEO ID NO:1106. b is an integer of	
			15 to 805, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1106, and where b is greater	
			than or equal to a + 14.	
1107	HDPRN70	875598	Preferably excluded from the	
_			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 341 of	

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															ARISPAR	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,																	
															AT657019 AT622299 AB392186 AB398646	77364607																	
															AT657019	AT263831 AB364607	1							<u> </u>				AA126535					
	SEQ ID NO:1107, b is an integer of 15 to 355, where both a and b correspond to the positions of not-cotide residues shown in SEQ ID NO:1107, and where b is greater	than or equal to a + 14.	Preferably excluded from the	present invention are one or more	polynucleotides comprising a	nucleotide sequence described by	the general formula of a-b, where a	is any integer between 1 to 433 of	SEQ ID NO:1108, b is an integer of	15 to 447, where both a and b	correspond to the positions of	nucleotide residues shown in SEO ID	NO:1108, and where b is greater	than or equal to a + 14.	Preferably excluded from the	present invention are one or more		polynucieocides comprising a	nucleotide sequence described by	the general formula of a-b, where a	is any integer between 1 to 788 of	SEQ ID NO:1109, b is an integer of	15 to 802, where both a and b	correspond to the positions of	nucleotide residues shown in SEQ ID	NO:1109, and where b is greater	than or equal to a + 14.		present invention are one or more	polynuclectides comprising a	nucleotide sequence described by	the general formula of a-b, where a	
			875600												875604													875605					
			HCRMC33												HROBR 56													HWLMU3	m				
			1108												1109	} }												1110					

			SEQ ID NO:1110, b is an integer of	
			15 to 458, where both a and b	
_			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1110, and where b is greater	
			than or equal to a + 14.	
1111	HCRQC94	875606	Preferably excluded from the	AA533280, AI133211, AW275798, Z28740, H79608,
			present invention are one or more	Z99396, AW392670, AL119457, AW372827, AL119497,
			polynucleotides comprising a	AW384394, AL119484, AL119391, AL119319,
			nucleotide sequence described by	AL119483, AW363220, AL119324, AL119443, U46350,
			the general formula of a-b, where a	AL119522, AL119355, AL119363, U46351, U46341,
			is any integer between 1 to 740 of	U46349, AL119341, AL036418, AL038837, AL119335,
			SEO ID NO:1111, b is an integer of	AL119418, AL119396, AL119496, U46347, AL037051,
			15 to 754, where both a and b	AL042965, AL036725, AA631969, U46346, AL119444,
			correspond to the positions of	AL037205, AL119439, AL134538, AL036858,
			nucleotide residues shown in SEO ID	AL134531, AL119401, AL134532, AL134533,
			MO. 1111	
			NO:IIII, and where D is greater	
			than or equal to a + 14.	AL042975, AL043029, AL042984, AL119399,
				AL134920, U46345, AL042544, AL043019, AL038509,
				AL042551, AL037085, AL043011, AL042450,
				AL037094, AL043003, AL037526, AL036196,
				AL037639, AL036268, AL037082, AL036767,
				AL036190, AL037077, AL119464, AL036774,
				AL038520, AL036998, AL038851, AL038447,
				AL036733, AL037178, AL036238, AL036719,
				AL037615, AL037027, AL036765, AL036191,
				AL036679, D63477, AR066494, AR060234, A81671,
				AB026436, AR023813, AR064707, AR054110, AR069079
1112	HCRMQ55	875608	Preferably excluded from the	N70420
			present invention are one or more	
_			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 610 of	
			SEQ ID NO:1112, b is an integer of	
			15 to 624, where both a and b	

			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1112, and where b is greater	
			than or equal to a + 14.	
1113	HSAZF81	875609	Preferably excluded from the	AI863439, R11144, AI360315, AA203688, H24452,
			present invention are one or more	R11145, R01108, AW002361, Z41757, AW295865,
			polynucleotides comprising a	AI961650, AI052438, AW131513, AW089844,
			nucleotide sequence described by	AI688241, AW080746, AW163834, AI886884,
			the general formula of a-b, where a	AI076157, AI270183, AI918677, AI696603,
			is any integer between 1 to 646 of	AI499963, AI364167, AI470717, AW132056,
			SEQ ID NO:1113, b is an integer of	AI524139, AA128660, AI872423, AI370623,
			15 to 660, where both a and b	AI927233, AW080700, AI281782, AA179186,
			correspond to the positions of	AI582910, AW075382, AW004606, AI638644,
			nucleotide residues shown in SEQ ID	AI522256, AW029489, AI439452, AI682798,
			NO:1113, and where b is greater	AW188525, AI619820, AI621341, AA810605,
			than or equal to a + 14.	AIS54516, AA814343, AI868680, AW051088,
				AW084396, AA806720, AI590043, AI284084,
				AI926593, AI568293, W46513, AI698391, AW007580,
				AI866469, AI648699, AI561288, AW081515,
	_			AW129264, AW081349, AI628180, AW088560,
				AI909697, AI625226, AI559296, AI590227,
				AI932794, AW166583, T69241, AI633066, AI620864,
				AI561356, AI279677, AI633125, AI079226,
				AW087837, AI631273, AI538564, AI699175,
				AI915291, AW152182, AI434969, AI889862,
	_			
				AI678602, AI473536, AI338427, AI884318,
				AA745155, AI863319, AW081252, AI573164,
				AI520859, W74529, AI865906, AI912544, AI701097,
				AI571867, AI349482, AI439385, AW131282,
				AI499570, AI570056, AI699823, AI765103,
				AI918809, AI868931, AI333104, AW105296,
				AI553645, AI368943, AI934259, AI688300,
				AI270706, AI367680, AI630932, AI611738, A65341,
				AL137533, I89947, I33984, AF047716, A41579,

				Z13966, U62966, AF199027, AR034821, L25851,
				AL050155, AR038854, AL122100, AL117587,
				AL137530, A77033, A77035, AL117460, Z97214,
				D44497, X95310, AL117636, A52184, X68560,
				S69381, X99971, AF116573, AF013214, AL080146,
				AF080068, Z82022, X59813, X66366, X66871,
				AL133665, AF183393, A58545, A23327, A76337,
				AL137271, E12806, AC006115, AL137711, AF185576,
				AF032666, A21103, AL133084, AL080159, AF059611,
				AL137478, AF106697, U73682, X52220, AL049557,
				AF167995, A86558, X61399, AF222801, AF061981,
				I32738, AF008439, AF118847, L10730, A76335
1114	HTJM037	875610	Preferably excluded from the	AA252455, AI191596, AI216511, AI221932,
			present invention are one or more	AL044538, AL044537
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 503 of	
			SEQ ID NO:1114, b is an integer of	
			15 to 517, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1114, and where b is greater	
			than or equal to a + 14.	
1115	HKCSA54	875611	Preferably excluded from the	AA078787, AA664392, AA047305, AA078903, T82427,
			present invention are one or more	AA618308, AA047306, AC007688
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 872 of	
			SEQ ID NO:1115, b is an integer of	
			15 to 886, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1115, and where b is greater	
			than or equal to a + 14.	And the second s

AI767589, AI732392, AW083534, AW007152, AW004781, AA053033	AI273587, Z36969, AAI32614, AA602080, AA629773	AA313350
preferably excluded from the present invention are one or more polynuclectides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 301 of SEQ ID NO:1116, b is an integer of 15 to 315, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1116, and where b is greater than or equal to a + 14.	preferably excluded from the present invention are one or more polymuclectides comprising a nuclectide sequence described by the general formula of a-b, where a is any integer between 1 to 735 of 58C ID NO:1117, b is an integer of 15 to 749, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1117, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a polynucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 702 of SEQ ID NO:1118, b is an integer of 15 to 716, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1118, and where b is greater than or equal to a + 14.
875612	875613	875625
1116 HWLQA55	нwврт63	H2CBQ54
1116	1117	80

1119	1119 HCQCX54	875628	_		
			present invention are one or more polynucleotides comprising a		
			nucleotide sequence described by		
			the general formula of a-b, where a		
			is any integer between 1 to 348 of		
			SEQ ID NO:1119, b is an integer of		
			15 to 362, where both a and b		_
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1119, and where b is greater		
			than or equal to a + 14.		
1120	HCQCG75	875629	Preferably excluded from the	AI131026, AA716622, AI057161, AA774194	AA774194,
			present invention are one or more	AA156854, AA225603, AA716534, AA213506,	AA213506,
			polynucleotides comprising a	AI742559, AI820099, AA643860, AA343612	AA343612,
			nucleotide sequence described by	AW294591, AA636011, AI440145, H21764, AA716363,	H21764, AA716363,
			the general formula of a-b, where a	AA362352, AA352145, R64559, AA076494, Z95114,	A076494, Z95114,
			is any integer between 1 to 1234 of	Z82215, AF070675	
			SEQ ID NO:1120, b is an integer of		
			15 to 1248, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1120, and where b is greater		
			than or equal to a + 14.		
1121	HHEZN36	875630	Preferably excluded from the	AA402496, AI435815, AA505991, AI359093	AI359093,
			present invention are one or more	AW197200, AA234622, AA402558, AA258509, H17033,	AA258509, H17033,
			polynucleotides comprising a	R14272	
			nucleotide sequence described by		
			the general formula of a-b, where a		
			is any integer between 1 to 709 of		
			SEQ ID NO:1121, b is an integer of		
			15 to 723, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1121, and where b is greater		
			than or equal to a + 14.		

1122	HPCIS18	875631	Preferably excluded from the	AA313376, AW296351, I68732	AW296351,	168732		
			present invention are one or more					-
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 768 of					_
			SEQ ID NO:1122, b is an integer of					
			15 to 782, where both a and b					
			correspond to the positions of					_
			nucleotide residues shown in SEQ ID					
			NO:1122, and where b is greater					_
			than or equal to a + 14.					
1123	HISAT54	875632	Preferably excluded from the	AI913155,	A1672147,	AI913155, AI672147, AI935812, AI742124,	AI742124,	
			present invention are one or more	AI953577,	AI378301,	AI420915,	AI953577, AI378301, AI420915, N32927, AI985091,	_
_			polynucleotides comprising a	AI633160,	AA724413,	AI633160, AA724413, AA913627, AA025763	AA025763,	
			nucleotide sequence described by	AI569838,	AI867104,	AI569838, AI867104, AA447105,	AI267291, N42073,	
			the general formula of a-b, where a	AI963746,	AA707999,	AI963746, AA707999, AI473202, AI379471,	AI379471,	
			is any integer between 1 to 754 of	AI383622,	AA025951,	AI675725,	AI383622, AA025951, AI675725, AW149902, AI114877	77
			SEQ ID NO:1123, b is an integer of					
			15 to 768, where both a and b					
			correspond to the positions of	-				
			nucleotide residues shown in SEQ ID					
			NO:1123, and where b is greater					
			than or equal to a + 14.					
1124	HLWAC54	875633	Preferably excluded from the	AF130356, AB026118	AB026118			
			present invention are one or more					
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 260 of					
			SEQ ID NO:1124, b is an integer of					
			15 to 274, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1124, and where b is greater					
			than or equal to a + 14.					

1125	HKMAB82	875634	Preferably excluded from the	N28667, AI659988, AI082031, AI693456, AI880139,
			present invention are one or more	AA581592, H73764, H16504, AI871552, AI002235,
			polynucleotides comprising a	AA350218, H05516, AI268133, R46302, AI417378,
			nucleotide sequence described by	AA418492, AI278150, AA418394, R46207, AI281736,
_			the general formula of a-b, where a	AI027423, R15667, AA355971, H74147, AW195643,
			is any integer between 1 to 1121 of	AI478495, R62421, R62495, AW453056, AA507440,
			SEQ ID NO:1125, b is an integer of	W21975, AA364092, AC006312, AF055899
			15 to 1135, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1125, and where b is greater	
			than or equal to a + 14.	
1126	HPVAB96	875635	Preferably excluded from the	AA219147, AI884470, AA464382, AC006475, AL009051
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 432 of	
			SEQ ID NO:1126, b is an integer of	
			15 to 446, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1126, and where b is greater	
			than or equal to a + 14.	
1127	HBMSX53	875636	Preferably excluded from the	AA810265, AA897140, AI656737, AA768557,
			present invention are one or more	AA767085, AI969070, AA847937, AC005018
	•		polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 559 of	
			SEQ ID NO:1127, b is an integer of	
			15 to 573, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1127, and where b is greater	
			than or equal to a + 14.	

1128	HCFCS58	875638	Preferably excluded from the	AI373860,	AI373860, AI142548,	AI160244, AI803364,	AI803364,	
			present invention are one or more	AA732841,	AA732841, AI435516,	AI095583, AI076620,	AI076620,	
			polynucleotides comprising a	AI167180,	AI167180, AI936640, AI339776, AA969232,	AI339776,	AA969232,	
			nucleotide sequence described by	AW137670,	AW137670, AI391504,		W68702, AW207539, W79914,	9914,
			the general formula of a-b, where a	AA917467,	AA917467, AI459137, AI148710, AA287408	AI148710,	AA287408,	_
			is any integer between 1 to 2215 of	AI762559,	AI762559, AI040652,	AW026057, AA522920,	AA522920,	
			SEQ ID NO:1128, b is an integer of	AA866005,	AI016161,	AA055361,		W23647,
			15 to 2229, where both a and b	AA707093,	AA913826,	AI083994,	AA707093, AA913826, AI083994, AI015839,	W69531,
			correspond to the positions of	AI796928,	A1890078,	AI890078, AI830098, AA937098,	AA937098,	
		_	nucleotide residues shown in SEQ ID	AA305157,	AI581290,	C01766, A	AI581290, C01766, AI050874, AI199472,	199472,
			NO:1128, and where b is greater	AI097584,	H92773, A	I074517, A	AI097584, H92773, AI074517, AI074538, AI151312,	151312,
			than or equal to a + 14.	AW028614,	AI674344,	AA305656,	AW028614, AI674344, AA305656, AI990059, R62238,	R62238,
				AI095293,	AI095293, AI052777, AA287357, AI085262,	AA287357,	AI085262,	
				AI354825,	AI354825, AA282043, AI828501, AA989141,	AI828501,	AA989141,	
				AI936558,	AA917921,	AW207658,	AI936558, AA917921, AW207658, AA581990, H66449,	H66449,
				AI809556,	H66448, A.	I087807, A	AI809556, H66448, AI087807, AA976485, AI089883,	089883,
				AI161211,	AI161211, AW102710, AI370809, AA282205,	AI370809,	AA282205,	
				AA358542,	AW054857,	AA810757,	AA358542, AW054857, AA810757, F13499, AA876563,	1876563,
				AA215693,		AI828164,	AI084131, AI828164, W74293, F22539,	2539,
				AI870008,		AI671095, AA476727, AA404240,	AA404240,	
				AA831950,	AA831950, AA026585, AA370269, AI359885	AA370269,	AI359885,	•
	•			AA631293,	AW340672,	AL121501,	AA631293, AW340672, AL121501, N31738, D19607,	19607,
				AA423998,	W68795, A	W301681, A	AA423998, W68795, AW301681, AA037423, AA744671,	1744671,
				AI498589,	AA705091,	AI185927,	AI498589, AA705091, AI185927, AA425621, W24523,	W24523,
				R83202, A	W072175, A	A886734, A.	R83202, AW072175, AA886734, AI568422, AI128796,	1128796,
				AI423010,	W39033, N.	92339, N27	AI423010, W39033, N92339, N27093, AI906207,	207,
				AI354764,	AI829997,	AI216318,	AI354764, AI829997, AI216318, AI292222, W24115,	W24115,
				AI700186,	AI700186, AW166486, AI808019, AI417379	AI808019,	AI417379,	
				AI274365,	AI274365, AI192992, AA327411, AI801970,	AA327411,	AI801970,	
				AIS60400,	AIS60400, AI334057, AW205138, AW135446,	AW205138,	AW135446,	
				AI356227,	AI356227, AI418487, AI334250,	AI334250,	AI301676,	239418,
				AW206667,	AW206667, AA026695,	AA449697,	AA307877,	W69448,
				AW136707,	AW136707, AI356196,	AI858772,	AI268621,	
				AW054727,	AW054727, AW206873, AI077709,	AI077709,		
				AI394380,	AI394380, AI369492,	AI300626,	AI702163,	
				AW137374,	AW137374, AI366348, AW137612, AW104420,	AW137612,	AW104420,	

			AI354931, AI349587, AW072219, AI300618,
			AA362894, AI356229, N92547, AW083322, AW138524,
			AA906922, R21738, AA448971, AA928281, AI824781,
			AW404514, F10607, H92884, AW104623, AA974162,
			AA055693, AA282321, AI191199, W78149, AA026665,
			AI243453, AA884305, AI471239, AA907645, R05573,
			AI702878, AI953829, AA972477, AA912803, N91937,
			AA370270, R83201, AA026584, AI610796, AI624790,
			AI367991, AW089151, AA367748, T12621, AI250112,
			AW072490, D80024, D58283, D51060, D80522,
			D59275, D80133, C14331, C14389, D59859, D80043,
			D81026, D80022, D80248, D80366, D51022, D51799,
•			D59610, D80269, D80253, D51423, D57483, D50979,
			D80166, D80195, D50995, D59467, D59619, D80210,
			D80391, D80164, D80240, D59787, D80227, D59502,
			D80219, C14014, AA305409, D80251, AJ132110,
			A62300, AB028859, AF058696, A62298, AR018138,
 			A84916, AR008278, A82595, AB002449, X67155,
	_		AR060385, Y17188, D26022, Y12724, A25909,
			A94995, A67220, D89785, A78862, D34614,
			AR008443, I50126, I50132, I50128, I50133,
			D88547, AR066488, AR016514, AR060138, A45456,
			A26615, AR052274, X82626, AR054175, Y09669,
			A43192, A43190, AR038669, AR066487, I14842,
•			A30438, AR025207, Y17187, A63261, D50010,
			AR008277, AR008281, AR062872, A70867, AR066490,
			I79511, AR016691, AR016690, U46128, X68127,
			AR008408, I18367, X64588, I82448, AB012117,
			D13509, A64136, A68321, AR060133, AF123263,
			Z82022, A85396, D88507, AR066482, A44171,
\dashv			AR032065, A63887, AR060382
1129 HPMK129	875639	Preferably excluded from the	W91924, AW197110, AI741307, AI378575, AA713480,
		present invention are one or more	AI690421, AI699132, N68496, AI567731, AI928419,
		polynucleotides comprising a	W91925, AI932938, AA026893, R92744, AI935511,
		nucleotide sequence described by	AI242962, AI952546, AW384749, AA036709,

			the general formula of a-b, where a	AI659575, AW384762, AF176699, AL022395	76699, AL022395,
			is any integer between 1 to 935 of	AF174590, AF199355	
			SEQ ID NO:1129, b is an integer of		
			15 to 949, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1129, and where b is greater		
			than or equal to a + 14.		
1130	HMWFZ60	875640	Preferably excluded from the	AL135393, AI743624, AW007692,	07692, AIB09103,
			present invention are one or more	AI693085, AW188260, AI628632, AA151384,	28632, AA151384,
			polynucleotides comprising a	AW170431, AI688464, AI884841,	84841, AA044177,
			nucleotide sequence described by	AI435463, AI760308, AA641945,	41945, AI911252,
			the general formula of a-b, where a	AI808563, AA433872, AIS97697, AA532734,	97697, AA532734, W57862,
			is any integer between 1 to 1404 of	AI187076, AI493091, AI624308, AA909039,	
			SEQ ID NO:1130, b is an integer of	AA856988, AA912119, AA099566, AA314491,	99566, AA314491,
			15 to 1418, where both a and b	AA603118, W60385, AI8176	W60385, AI817675, AI804736, AI141817,
	-		correspond to the positions of	AA635102, AA012931, AA831200, AA872405,	31200, AA872405,
			nucleotide residues shown in SEQ ID	AA099656, AW374351, AA317881, AW270235,	17881, AW270235,
			NO:1130, and where b is greater	AI128006, AA044362, AA971272, N53760, N73118,	71272, N53760, N73118,
			than or equal to a + 14.	AI092800, AI125656, AA307420, AA299867,	07420, AA299867,
				AI092789, AI087152, AI698768, AI075446,	98768, AI075446,
				AI827489, AA909444, AI31	AI827489, AA909444, AI310357, W60294, AA557616,
				AI401792, H71979, AI201315, R91255, R53622,	315, R91255, R53622,
				W57788, AA905502, AI0806	W57788, AA905502, AI080642, AI953627, AA040065,
				N49849, R51953, AI039773, R44774, AI354614,	3, R44774, AI354614,
				AI695145, W52685, AA6413	AI695145, W52685, AA641347, AA230242, AA311605,
				AA485131, N33951, AA0012	AA485131, N33951, AA001274, AA001885, AA130833,
				R91256, D31320, AA676280, AA947975, AA299866,	0, AA947975, AA299866,
				AA888090, AA055655, AI028370, AA485132,	28370, AA485132,
				AA076953, N71776, H67264, AW087608, R25747,	4, AW087608, R25747,
				R85994, N49662, AA382910, R40695, AI433728,	0, R40695, AI433728,
				AA402168, R13260, AA4028	AA402168, R13260, AA402822, AA502327, AA515875,
				AW004807, AA627525, AI826454, AA319306,	26454, AA319306,
				AA082526, AA151383, AA07	AA082526, AA151383, AA074596, AA494303, R19108,
				AW235427, R26592, AA7027	AW235427, R26592, AA702744, AA130948, AI419583,
				AI538143, AA230299, AI656420, AA588457, N67517,	56420, AA588457, N67517,

				AI262101, AI538153, AA078050, AC005074,
				AF084479, AF072810, AB032253
1131	HUCPH16	875641	Preferably excluded from the	AI694079, AI469419, AA521321, AA621120,
			present invention are one or more	AI873548, AW162015, N24406, AI745250, AI816009, [
			polynuclectides comprising a	AI034067, AA861921, AA994985, R91349, AA732547,
			nucleotide sequence described by	H99156, AA429548, R91302, AI809579, AA921820,
			the general formula of a-b, where a	AI471875, AA910181, AL042168, AA741400,
			is any integer between 1 to 1648 of	AF071771, U09850, AF011758
			SEQ ID NO:1131, b is an integer of	
			15 to 1662, where both a and b	
			correspond to the positions of	
		_	nucleotide residues shown in SEQ ID	
			NO:1131, and where b is greater	
			than or equal to a + 14.	
1132	HCUDA52	875642	Preferably excluded from the	AA834872, F30466, F36527, F01431, AA564994,
			present invention are one or more	AW394057, AF001548, AC005340, AC005934
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 373 of	
			SEQ ID NO:1132, b is an integer of	
			15 to 387, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1132, and where b is greater	
			than or equal to a + 14.	
1133	HTWCN56	875646	Preferably excluded from the	AL042551
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 68 of	
			SEQ ID NO:1133, b is an integer of	
			15 to 82, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	

			NO:1133, and where b is greater than or equal to a + 14.				
1134	HWLUF38	875650	Preferably excluded from the present invention are one or more polynuclectides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 792 of SEQ ID NO:1134, b is an integer of 15 to 806, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1134, and where b is greater than or equal to a + 14.	AI148558, AA573948, AA278825, AW292443, AA441911, AA442018, AI675866,	A1991236, AA582937, A1262374, A1879821, A1879814, A16108, A16108, AA278827,	AI148558, AI991236, AI346818, AA528254, AA573948, AA582937, AA148254, AW00953, AA278825, AI262374, AA148255, AW337649, AW292443, AI87921, AA568456, AA769741, AA441911, AA928164, AI277160, AI368975, AA442018, H16108, AI274901, W17108, AI5 AI675866, AA278827, T25032, AA282250, A	AII48558, AI991236, AI346818, AA528254, AA573948, AA582937, AA148254, AW009953, AA278825, AI262374, AA148255, AW337649, AW292443, AI879891, AA568456, AA769741, AA41911, AA928164, AI277160, AI368975, AA440018, H16108, AI24901, W17108, AI910530, AI675866, AA278827, T25032, AA282250, AB023416
1135	HWLMI53	875651	Preferably excluded from the present invention are one or more polymuclectides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 625 of SEQ ID NO:1135, b is an integer of 15 to 639, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1135, and where b is greater than or equal to a + 14.	AI148558, AA573948, AA278825, AW292443, AA441911, AI024901, AA442018,	A1991236, AA582937, AA562741, AA277160, AI910530, AA282250,	AI14855B, AI991236, AI34681B, AA528554, AA5793948, AA582937, AA148254, AW009953, AA278825, AI262374, AA148255, AW375649, AW292443, AA769741, AI879821, AA568456, AA41911, AI277160, AI368975, AA928164, AI024901, AI910530, AI675866, W17108, TA44201B, AA282250, H16108, AB023416	AAS2824, AW009953, AW337649, AA568456, AA928164, W17108, T25032, B023416
1136	HWLMB54	875653	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 428 of SEQ ID NO:1136, b is an integer of 15 to 442, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID	AL656739, AW241658, AI147409, AI149073, AW170120, AA057114, AI302584, AI825574, R49614, D, R42276, A	AW194261, AI081504, AI073550, N23389, A AI953877, AI077376, AI000483, A AI000483, A W3050, A	ALGSG739, AW194261, AI191572, AIG86332, AW241658, AIG81504, AA287936, AW439964, AI1474059, AIG7350, AIG27477, AB570523, AI149073, N23389, AM148760, AI952927, AW170120, AI953877, AI478997, AI203266, AA057114, AI077376, AL043541, AIG31759, AI825574, AIG000483, AI474396, AA93288, AE49614, DG3065, AI88876, AI471175, AI584276, AW130341, AI381205, AA025481, D	AL656739, AW194261, AL191572, AL686332, AW241658, AL081504, AA287936, AW439964, AL147409, AL073550, AL627477, AA570523, AL140073, N23389, AW448760, AL552927, AL039002, AW170120, AL953877, AL478397, AL203256, AA057114, AL077376, AL043541, AL631759, AL302584, R46593, AA776807, A141297, H08065, AL825574, AL000483, AL474396, AA993288, R60870, R49614, D63065, AL188876, AL471175, AL565375, R42276, AW130341, AL381205, AA052481, D60482,

		NO:1136, and where b is greater	AI381203,	AI381203, AW135516,	AW139222, AI864636	AI864636,
		רוומון כז בלומד רכ מ + די.	AI/65564, AI914914,	A1/83304, A1439/11, A1383032, AA626409, A1914914, A1302951, D62081, R38686, AI	A1969032, D62081, R3	AI/85504, AI439/II, AI585052, AA626409, AI914914, AI302951, D62081, R38686, AI351832,
_			F10577, A	4215377, R7	7944, R422	F10577, AA215377, R77944, R42277, AA170804,
			H24643, N	71896, AA02	5591, H258	H24643, N71896, AA025591, H25840, H02001,
	,		N26541, R	78406, C022	70, AI2981	N26541, R78406, C02270, AI298146, D79240,
┪			AA057854, AA288000	AA288000		
1137 HOEEY53	875654	Preferably excluded from the	AL119748,	AL119748, AL040243, AL041862, AL045500	AL041862,	AL045500,
		present invention are one or more	AW087445,	AW087445, AW071349, AL042745,	AL042745,	A1433976,
		polynucleotides comprising a	AI433157,	AI433157, AI702406,	AI275175,	AL042628,
		nucleotide sequence described by	AI564719,	AI521012,	AL079977,	AL049085,
		the general formula of a-b, where a	AI580190,	AIS00659,	AW301409,	AI620284,
		is any integer between 1 to 659 of	AA640779,	AI539771,	AIS00077,	AI538716,
		SEQ ID NO:1137, b is an integer of	AL047763,	AL045266,	AL040169,	AL042627,
		15 to 673, where both a and b	AL121270,	AL119049,	AW082113,	AI469532,
		correspond to the positions of	AI537677,	AI818683,	AI340582,	AL121328,
		nucleotide residues shown in SEQ ID	AL040097,	AI436456,	AL119791,	AL036146,
		NO:1137, and where b is greater	AI815855,	AW074993,	AW238730,	AL121365,
		than or equal to a + 14.	AI064830,	AI349772,	AI349256,	AL036396,
			AI863014,	AW117882,	AA572758,	AI207510,
			AI499463,	AW103371,	AI349645,	AL042744,
			AL036361,	AL038605,	AL036403,	AW071417,
			AI866457,	AI349004,	AL036802,	AL045620,
			AI536685,	AI500523,	AL039276,	AI919345,
	_		AW169671,	AI497733,	AI269862,	AIS67351,
			AL046926,			AW268253,
			AI537515,			AL045163,
			AL121463,	AI340603,	AW089572,	AI687728,
			AI281779,		AI281773,	AW302988,
			AI312428,	AI783504,	AI868831,	AI524671,
			AI866608,		AI619502,	AI802542,
			AW169653,		AL048656,	AI475371,
			AI498579,	AL119828,	AI312152,	AI345735,
			AI432656,	AI432656, AL079963, AI499393, AI349933	AI499393,	AI349933,
			AI349937,	AI349937, AI364788, AI491776, AI824557,	AI491776,	AI824557,
			AI934036,	AI934036, AW162071, AI612913,	AI612913,	AI801325,

'OT/OFTMY	ATSOCIOO,	ALU488/I,	A1445237,	
AI348897,		A1440426,	AI500662,	
AI687127,			AI633493,	
AL135661,			AI702433,	
AI521560,			AI866573,	
AI434256,			AI284513,	
AW148320,			AI800433,	
AI888118,			AI625079,	
AI635461,			AL042551,	F37439,
AI690835,			AW068845,	
AI648684,			AW268220,	
AI610362,			AW150578,	
AL047041,			AI349614,	
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AI929108,		AI636456,	AI343112,	
AI608667,			AI682841,	
AI224992,			AI273142,	
AI282281,			AI869367,	
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AI340519,			AI633419,	
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AI590128,				
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	AL1101	AL110196, AL122050, Y11587, S68736, AF017152,
	AL0800	AL080060, AL133080, AF113699, AF104032, Y16645,
	X1125	Y11254, AF113691, AL110221, AF113694, A08913,
	AL0499	AL049938, AL050149, I48978, L31396, L31397,
	AROLI	AR011880, AL049466, AL137527, AL133606,
	AF118(AF118070, AF125949, AF106862, A93016, I33392,
_	AL133(AL133075, AL133113, AF113677, AF097996,
	AL137!	AL137557, AF079765, AR059958, AL050277,
	AL133(AL133093, AL096744, AF090896, AF113019,
	AL122	AL122049, AL117583, AB019565, AL122093,
	AL117	AL117435, AF113689, A08910, I49625, AL049464,
	AL049:	AL049382, AL049314, X84990, E07361, E07108,
	AL049.	AL049300, AF113676, AL080137, AF111851,
	AL137	AL137550, AJ000937, AL117585, AL122121,
	AF158;	AF158248, AL133560, AL080124, AL122123, A65341,
	X6357	X63574, E03348, X70685, A08909, AL117394,
	AF017	AF017437, AF177401, AL133565, U00763, AL049430,
	AF125	AF125948, AF146568, AF091084, AL137463, A03736,
	U7262	U72620, AL137283, AL122098, AJ238278, AL110225,
	AL122	AL122110, X82434, A58524, A58523, AF118094,
	AL137	AL137538, AL050138, X72889, I09360, AL050024,
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	X9654	K96540, I03321, Z82022, AF183393, A12297,
	AL137	AL137271, AL080127, U80742, X93495, U35846,
	AL133	AL133072, AL137521, AF087943, AL049283, U67958,
	ALOBO	ALO80159, X98834, A08912, AL110197, AL133077,
	AF061	AF061943, E08263, E08264, E15569, I42402,
	86195	S61953, AF067728, AL133014, AJ012755, AL133568,
	12620	I26207, AL137560, U78525, A93350, AF119337,
	AF111	AF111112, AR000496, U39656, AF081197, AR038969,
-	AC006	AC006371, AL050172, AR054984, AF026816,
	AL137	AL137556, AL137523, I17767, AF026124, Y14314,
	AL137	AL137526, AF153205, AF008439, AL133104,

			than or equal to a + 14.			
1140	HWI MS13	875662	Preferably excluded from the	W32981. N	W32981, N46181, N46187, AA173644, AA352233.	3644. AA352233.
2	21211111			00000	OH OFFICE OFFICE	00000
			present invention are one or more	AA384809,	AA3848UY, K3IIbB, WY36/5, UB8494	8474
			polynucleotides comprising a			
			nucleotide sequence described by			
			the general formula of a-b, where a			
			is any integer between 1 to 816 of			
			SEO ID NO:1140, b is an integer of			
			15 to 830, where both a and b			
			correspond to the positions of			
			nucleotide residues shown in SEQ ID			
	_		NO:1140, and where b is greater			
			than or equal to a + 14.			
1141	HE6GF82	875663	Preferably excluded from the	AW003091,	AA033907, AW292095,	, AW003066,
			present invention are one or more	AA994829,	AA477259, AI203380, AW051389,	, AW051389,
			polynucleotides comprising a	AA481953,	AW297105, AI168181, AI311568,	, AI311568,
			nucleotide sequence described by	AA402560,	AI983314, AA402729, T32956, T15739,	, T32956, T15739,
			the general formula of a-b, where a	AI283188,	AI283188, AI206971, AI216276, AI285095	, AI285095,
			is any integer between 1 to 1096 of	AA722476,	AA722476, R16257, F10673, AI888416, AA477907,	888416, AA477907,
			SEQ ID NO:1141, b is an integer of	AI424752,	AW002217, AA082650	AI424752, AW002217, AA082650, N83203, AA034007,
			15 to 1110, where both a and b	AA701213,	AA701213, T47308, AI669678, F04444, AI868114	F04444, AI868114,
			correspond to the positions of .	T47307, F	T47307, F01597, F01744, Z19661, AA041439	61, AA041439,
_			nucleotide residues shown in SEO ID	AW169604.	AW169604, AA455772, AW105601, AI587143,	AIS87143.
			NO:1141, and where b is greater	A1589267,	AI589267, AI340519, AI554821, AI682725,	AI682725,
			than or equal to a + 14.	AI612885,	AI612885, AI784252, AI590423, AI288285,	, AI288285,
_				AI889168,	AI889168, AI345005, AI340511, AI799195,	., AI799195,
				AI862144,	AI862144, AW059713, AI866465, AI310575,	i, AI310575,
				AI623746,	AI623746, AI887247, AI950664, AI340533	, AI340533,
				AI866770,	AI866770, AI273094, AA420722,	;, N72726, AI890806,
	-			AL036664,	AL036664, AW075207, AI955906,	;, AI343091,
		_		A1624056,	AI624056, AL036980, AI312428,	1, AW268072,
				AI345735,	AI345735, AI811785, AI826225,	
				AL036631,	AL036631, AI307210, AW089471,	., AIS00659,
				AI440263,		., AI340627,
				AW193134,	AW193134, AI379711, AI310504,	i, AI312146,
				AI312339,	AI312339, AI345258, AI628296, AI349645,	5, AI349645,

	d	AI470293,	AW071349,	AI916419,	AW196299,
	4	AI311604,	AI811353, AW151138,		AI624953,
	4 h	AI890907,	AI868204,	AA012905,	AL038605,
	*		AW090726,	AI306705,	AI349957,
	R.		AI283941,	AI798373,	AI478639,
	2	AW022682,	AI280747,	AI862142,	AI247193,
		AI538850,	AI680113,	AW071380,	AI934036,
-	<i>t</i>	AI963668,	AI349028,	AW191916,	AI567971,
	<i>t</i>	AW170700,	AL121496,	AW193000,	AI312152,
_	1		AI758437,	AW075084,	AI309443,
	7	AW196037,	AW163834,	AW118508,	AI159837,
	7	AI348914,	AI567612,	AI349937,	AW020693,
	7	AI354283,	AL048644,	AI689702,	AI307543,
	<u>t</u>		AI348897,	AW151786,	AI349598,
	<i>t</i>	AI307708,	AI312325,	A1270707,	AI340659,
	7	AA761557,	AW269097,	AI310940,	AW151136,
		AI445115,	AI963224,	AI313352,	AI539771,
	-	AW072588,	AI334930,	AI307736,	AW080279,
		AI471282,	AI307520,	AI917123,	AI340603,
			AI433384,	AI499986,	AI349186,
	~		AW089572,	AI445237,	AI494201,
_		AW083804,	AI608667,	AW191844,	N71180, AA508692,
		AI345739,	AW088037,	AI312143,	AI690748,
		A1440426,	AI612750,	AL119836,	AI654601,
		AW059828,	AI434256,	AW131428,	AI336495, N75771,
		AW301300,	AI815232,	AI801325,	AA493647,
		AI500523,	AI310582,	AI915291,	AI274541,
			AI349955,	AI582932,	AI284517,
		AI923989,	AW075093,	AI564736,	AI500706,
		AI491776,	AW268067,	AI521560,	AI889189,
		AIS00662,	AI284509,		AW172723, AA641818,
-			AI349246,		AI623796, AW081449,
		AI866573,	AA579232,		AI343037, AI633493,
		AW161579,	AA635382, AI349256, AI270055	AI349256,	AI270055,
		AI567582,	AI805769,	W33163, A	AI567582, AI805769, W33163, AI251221, AI888661,
		AL036705,	AW268253,		AL046463, AW191003,

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	AL117460, I66342, AL137463, AL137271, AL117394,	17394,
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	AF061943, AR020905, AF113677, AJ000937, Y10936,	710936,
	AL133081, AL137459, AF111849, AL133557, E07108,	307108,
	ALO50149, AL117435, U35846, A65340, AL049430,	3430,
	Y09972, L31396, A90832, L31397, AL080124,	
	L13297, A65341, AL049466, AL117649, AL110221	1221,
	AF113676, Y08616, AL050138, X83508, I00734,	34,
•	AF003737, AL137556, AL137526, AL049938,	
	AL133080, I33392, AL133640, AL117583, AL117585	117585,
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		77,
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	AL117457, AF177401, AL122093, AL137550, X93495	K93495,
	AL133606, AL137521, X98834, AF081195, AF113013	113013,
	AL035458, AF078844, AF113690, AF126247, E05822	805822,
	AL137560, Z72491, AF000301, AL137529, E08631,	8631,
	AF125948, AL049347, AF146568, A12297, AF061573,	061573,
	AR011880, I09360, AF067728, Y11587, I26207,	07,
	AL122118, AF113691, AB019565, AL133104,	

			AL133067, AL050277, AL049300, AF118064, AL137557, AF118070, AF113699, AL137648,
			AL080158, AF125949, AL133568, AF090896, Y07905,
			X63574, I08319, AC009501, U72620, I89934,
			X82434, L10353, E04233, A77033, A77035,
			AL080159, AF087943, AR000496, U39656, I48979,
			AF183393, AF026124, AF090903, Y14314, AL133016,
			AL096744, AJ003118, AF158248, AL133014,
			AL133665, AL137476, AL133560, S61953, AL080086,
	_		AL137538, M86826, X84990, AL133075, AL050116,
	-		I09499, AL117440, AF185576, AL050092, AF079765,
			A03736, AJ006417, AL137292, AF106862, AC002467,
			I41145, AF162270, A08907, AF100931, AL137478,
_			X62580, AF051325, AR038969, AF047443, AF061795,
			AF151685, A45787, AL137656, AF081571, T66716
1142 HSPB	HSPBC14 875665	⊢	AW439287
		present invention are one or more	
		polynucleotides comprising a	
		nucleotide sequence described by	
		the general formula of a-b, where a	
		is any integer between 1 to 392 of	
		SEQ ID NO:1142, b is an integer of	
		15 to 406, where both a and b	
		correspond to the positions of	
	•	nucleotide residues shown in SEQ ID	
_		NO:1142, and where b is greater	
		than or equal to a + 14.	
1143 HOC	HOCNE41 875669	9 Preferably excluded from the	AW206400
		present invention are one or more	
		polynucleotides comprising a	
		nucleotide sequence described by	
		the general formula of a-b, where a	
		is any integer between 1 to 407 of	
		SEQ ID NO:1143, b is an integer of	
		15 to 421, where both a and b	
		correspond to the positions of	

			nucleotide residues shown in SEO ID	
			NO:1143, and where b is greater	
			than or equal to a + 14.	
1144	HCQBE51	875672	Preferably excluded from the	AL134350
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 252 of	
			SEQ ID NO:1144, b is an integer of	
			15 to 266, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1144, and where b is greater	
			than or equal to a + 14.	
1145	HWLMX4	875673	Preferably excluded from the	AW248502, AA868598
	0		present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 711 of	
			SEQ ID NO:1145, b is an integer of	
			15 to 725, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1145, and where b is greater	
			than or equal to a + 14.	
1146	HCRMB51	875677	Preferably excluded from the	AA251591
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 421 of	
			SEQ ID NO:1146, b is an integer of	
			15 to 435, where both a and b	
			correspond to the positions of	

	767, 071, 585,	A1149061, 393, 684, 591, A591, AF088219, 0026, 3350, 3333, 1101, Z84466, 1101, Z84466, 1119, Z95113, 7704,
	AA664156, AA57729, AA402095, AI700767, AA401940, AI935241, AW269601, AA345071, AW363322, AW074281, AI886088, AA054585, AW371974, AW362940	MA4854, AA279745, H29979, AI370512, AI149061, AA401945, AW270474, AC002094, AL021393, AA401945, AW270474, AC002094, AL021393, AL0313163, AC006684, AL0313063, AC006684, AL0313063, AC006684, AL0139054, AL109798, AL031557, AL031591, AB023051, AC004675, AL031597, 295152, AF088219, AC004675, AL031597, 295152, AF088219, AC001582, AC004675, AL031597, AC000026, AC006166, AL008739, AC02059, AC00536, AC005193, AC005192, AC005193, AC005193, AC005192, AC003071, AC006540, AL073933, AC001334, AC005551, AL07333, AC00537, AC005977, AC006571, AL07333, AC005952, AC006597, AC006597, AC006597, AC006597, AC006597, AC006597, AC006597, AC006597, AC006597, AC006595, AC006597, AC006598, AC005597, AC006598, AC005598, AC005598, AC005598, AC005598, AC005598, AC005598, AC005989, AC005
	AA664156, AA767729, AA601940, AIG35241, AN363622, AW074281, AW371974, AW362940	A24854, AA279745, H39979, ALI AA01945, AW270474, AC005094, ALI33163, AC004601, AC005094, ALI33054, ALI09798, ALI31555, AE0023051, AC0042491, AC002538 AE0023051, AC004675, AL049872, AC005792, AC00757, AL049872, AC005792, AC005738, AL020955 AC005792, AC00540, AC002059 AC005792, AC00540, AC002059 AC002791, AC002565, AC002654 AC00577, AC002565, AC002660, AC00587, AC002565, AC00660, AC00587, AC004106, AL049776, AC00587, AC004106, AL049776, AC00587, AC004106, AL049776, AC00587, AC004108, AC005160, AC00583, AC004885, AL049745, AC00583, AC004885, AL049745, AC00583, AC006886, AC00560, AC00583, AC006886, AC006160,
nucleotide residues shown in SEQ ID NO:1146, and where b is greater than or equal to a + 14.	preferably excluded from the present invention are one or more present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 519 of 5EQ ID NO:1147, b is an integer of 15 to 533, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1147, and where b is greater than or equal to a + 14.	preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 382 of 15 to 396, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1148, and where b is greater than or equal to a + 14.
	875678	875680
	НСВВН61	HCRNZ51
	1147	1148

1149	1149 H2CAA51 875681	875681	Preferably excluded from the	AA306969			
			present invention are one or more				
			polynucieotides comprising a nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 526 of				
			SEQ ID NO:1149, b is an integer of				
			15 to 540, where both a and b				
		_	correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1149, and where b is greater				
			than or equal to a + 14.			ļ	
1150	HT3AISS	875682	Preferably excluded from the	AI088910,	AI088910, AW043896, AA005100, AA262517,	A005100,	AA262517,
			present invention are one or more	AI470354,	W78980, R89	654, AA26	AI470354, W78980, R89654, AA261819, AI079770,
_			polynucleotides comprising a	AA037517,	AA328236, A	1584124,	AA037517, AA328236, AI584124, H19672, AI247711,
			nucleotide sequence described by	AI217267,	AI217267, AL121782, AB034617, AL121754	B034617,	AL121754
			the general formula of a-b, where a				
			is any integer between 1 to 1467 of				
			SEQ ID NO:1150, b is an integer of				
			15 to 1481, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1150, and where b is greater				
			than or equal to a + 14.				
1151	HLWBA37	875683	Preferably excluded from the	AI458851,	AI458851, AA142939, AA936413, AI741509	A936413,	AI741509,
	-		present invention are one or more	AI335942,	AI335942, AI002201, AA150633, AA446254	A150633,	AA446254,
			polynucleotides comprising a	AW003610,	AI091446, N	162521, Al	AW003610, AI091446, N62521, AI800649, AI880031,
			nucleotide sequence described by	AA029154,	AA776155, N	131764, AJ	AA029154, AA776155, N31764, AA029051, N24835,
			the general formula of a-b, where a	AI610362,	AI610362, AI582932, AW075413, AI889189	W075413,	AI889189,
			is any integer between 1 to 1078 of	AI433976,	AI433976, AA429993, AL045500, AI433157,	LO45500,	AI433157,
			SEQ ID NO:1151, b is an integer of	AL042753,	AL042753, AI539771, AI923989, AI537677,	11923989,	AI537677,
			15 to 1092, where both a and b	AI500659,	AI500659, AI801325, AI500523, AI284517,	11500523,	A1284517,
			correspond to the positions of	AI500706,	AI500706, AI491776, AI445237, AWI51138,	11445237,	AW151138,
			nucleotide residues shown in SEQ ID	AI521560,	AI521560, AI500662, AI284509, AI866573,	11284509,	AI866573,
_			NO:1151, and where b is greater	AI633493,	AI633493, AI434256, AI888661, AI284513,	11888661,	AI284513,
			than or equal to a + 14.	AI888118,	AI888118, AI611738, AI251205, AI275175	NI251205,	AI275175,

	AI434223, AI554821, AL042551, AI866510	1554821,	AL042551,	AI866510,
	AL036146, A	1889168,	AI889168, AI620284, AI815232	AI815232,
	 AI340603, A	AI567360,	AL046926,	AL042787,
_	AI440252, A	AI499463,	AI890784,	AW075351,
	AI800433, A	AW151136,	AL079963,	AI678357,
	AA938383, A	AW082113,	AI270183,	A1440239,
	AL041772, A	AL045266,	AI269862,	ÀI800453,
	AI537273, A	AL047763,	AL040243,	AI436456,
	AL042628, A	AI932794,	AI963846,	AI567940,
	AI345608, A	AW301410,	AI817244,	AI537515,
	AI612913, A	AI567993,	AI285826,	AI863014,
	AI475371, A	AI499512,	AI889133,	AI282281,
	AL043293, A	AI334884,	A1610645,	AI610402,
	AI917252, A	AI610429,	AI349598,	AI889148,
		AI349614,	AI364788,	AI521594,
	AL042538, A	AI632408,	AI572787,	AI572787, AA508692,
		AI567935,	AI869367, AI630928,	AI630928,
	AW129106, A	AL119863,	AI432656,	
	AI348897, P	AI307708,	AI796743,	AI815855,
_		AI457369,	AW148320, AI539028,	AI539028,
		AI889953,	AI281782, AIS00077,	AIS00077,
_	AW238730, #	AIS90830,	AI802542, AW083804,	AW083804,
	AL042627, P	AA572758,	AI499285, AW274192,	AW274192,
-	AI950892, A	AL045620,	F27788, N	F27788, N80094, AW071417,
	AI308032, A	AI345745,	AI348854, AI344785,	AI344785,
	AI805769, A	AL036396,	AI340582, AI866608	AI866608,
	AIS39847, A	AI432666,	AI434468, AI890833	AI890833,
	AI344817, A	AI926790,	AI539632, AI564719	AI564719,
		AI591420,	AI889376, AA420758	AA420758,
	AI648663, A	AL038605,	AI524671, AW051258,	AW051258,
	AW074869, 7	AI873731,	AI619502, AI677796	AI677796,
-		AI922901,		AW118518,
	AL121496, 1	AI866457,	AI913452,	AI570807,
		AW050522,	AW050522, AI923370,	AI345735,
		AL121286,	AL121286, AI371251, AI345416,	AI345416,
	AI921248, 1	AI345612,	AW188539,	AW301300,

	A1702073. AL07	AI702073, AL079740, AI804983, AW269097,
	AI933589, AL04	AI933589, AL042745, AW169653, AI648684,
-	AW268220, AI33	
	AI274508, AI47	AI476046, AI633125, AI345471,
	AW30298B, AI88	AI886753, AI698391, AI312428,
	AI783504, AI57	AI572418, AI686906, AI654276,
_	AI349645, AL11	AL119049, AI682743, AI866770,
	AI758437, AI43	AI433037, AI873644, AI627988,
	AI309401, AI34	AI343112, AI889147, AW148294,
	AW089572, AI49	AI498579, AI064787, AI349256,
	AL039276, AI80	AI805762, AL041862, AL039086,
	AL048496, AWOE	AW059837, AI955917, AI620003,
	AI446538, AI49	AI446538, AI499986, AI633419, AI554245,
	AI306613, AI34	AI306613, AI349957, AI284131, AB032963, U72620,
	148979, 148976	I48979, I48978, AF113689, I89947, A08913,
	X72889, AF0909	X72889, AF090903, AL133565, A65341, I33392,
	A08916, AL1102	A08916, AL110221, AF090896, AR011880, AR059958,
	X63574, A0891(X63574, A08910, L31396, A08909, Z82022, L31397,
_	AF113699, ALL	AF113699, AL117583, I89931, A03736, I49625,
	AL117457, AL1.	AL117457, AL117435, A77033, AF090934, AL050146,
	B03348, AL050;	E03348, AL050138, AF113690, A77035, AL133016,
	AL022165, AL1;	AL022165, AL122110, S68736, AC006501, AF113677,
	AL049452, AF1	AL049452, AF106862, AL137538, AF158248, U42766,
	AF090901, ALO	AF090901, AL050393, AL133606, AJ012755, Y11587,
	AL049382, AL1:	AL049382, AL137459, U80742, AL122093, AL137527,
	AL080060, AFI:	AL080060, AF113019, X82434, AL133080, S78214,
	AL137271, AF1	AL137271, AF183393, X93495, U35846, E07361,
	A58524, A5852;	AS8524, AS8523, AL137550, AL133557, AF091084,
	AL050149, AF0	AL050149, AF087943, E02349, AL133560, AL050024,
	AF118070, ALO	AF118070, AL080159, AL049430, AL133640,
	AF113013, AJ2	AF113013, AJ242859, AF177401, AC007877,
	AF078844, ALL	AF078844, AL122121, AL122049, AL049464,
	AL122050, X70	AL122050, X70685, AL117460, AL122098, AF113676,
	Y16645, AL137	Y16645, AL137557, AL110196, AL050277, AL117585,
	AF146568, AL1:	AF146568, AL133113, AL122123, AF113694,
	AF017437, AF1	AF017437, AF118064, AF097996, AL049938, U00763,

				AF104032, AL080124, AL133072, AL049466, A08912, I03321, AF18694, AF090943, AF11851, AJ238278,
				AF125948, X65873, AF079765, AF067728, AJ000937, AF113691, AL133075, AL050116, AL050108,
				AL137463, AL080137, AB019565, AL049314, E07108,
				AF030300, AF125949, AF026816, AF003/3/, S/9832, X84990, AF026124, AF061943, AL133093, AL049283,
	•			Y11254, A12297, A93016, U67958, AL137648,
				AF017152, AL080127, AL110225, AL117394,
				AF022363, AF162270, I42402, L30117, AL049300,
				AL137560, AL096744, AL137521, X96540, AC004383,
				E15569, U91329, AC004686, A93350, AF119337.
				AF110520, AC002464, AL110197, Z98036, AC004883,
				U96683, AL133077, AR038969, AL137283, AC006336,
				X98834, AC007748, AR000496, U39656, AL022147,
				AL050172, AF111112, AL137526, AL133568, E08263,
		_		E08264, U95739, AC006017, AF185576, AL137533,
_		_		E04233, AF153205, AL133104, AF057300, AF057299,
				Y14314, AL110280, AL022723, AL117440, AL133014,
				AC004837, AR034830, I96214, AF106827, AC008394,
-+				E05822, AL133665, AF079763
1152 1	HE2LP33	875687	Preferably excluded from the	
			present invention are one or more	
_			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 520 of	
			SEQ ID NO:1152, b is an integer of	
			15 to 534, where both a and b	
_			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1152, and where b is greater	
			than or equal to a + 14.	
1153 F	HCRMN10	875688	Preferably excluded from the	AB021638, AB023431, AC005954
			present invention are one or more	

			polynucleotides comprising a mucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 387 of 580 ID NO:1153, b is an integer of 15 to 401, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1153, and where b is greater than or equal to a + 14.				
1154	HKMMR6	875689	Preferably excluded from the	W72774, AI	961188, AA	4985560, AI	W72774, AI961188, AA985560, AI269056, AA076186,
	-		present invention are one or more polynucleotides comprising a	AAS412/9, AL080011,	A1952780,	AA5412/9, N46999, N514/9, 16/962, N536, AL080011, A1952780, A1634350, AW055252,	AAS41279, N46999, NS1479, 167962, NS3622, ALO80011, A1952780, AI634350, AWO55252,
			nucleotide sequence described by	AI887163,	AA969375,	AA218835,	AI887163, AA969375, AA218835, N27874, AI540179,
			the general formula of a-b, where a	AW050850,	AI818353,	AW050850, AI818353, AI927233, AA528641	AA528641,
			is any integer between 1 to 1093 of	AA857847,	R81679, Al	1440399, Al	R81679, AI440399, AI491775, AA594699,
			SEQ ID NO:1154, b is an integer of	AA514684,	AA721581,	AA514684, AA721581, AA814782, AI635634,	AI635634,
			15 to 1107, where both a and b		AW163834,	AW163834, AI184903, AW149925,	AW149925,
			correspond to the positions of		AI524179,		
			nucleotide residues shown in SEQ ID		AW132065,		
			NO:1154, and where b is greater	AI583578,	AI824688,	-	AI683897,
			than or equal to a + 14.	AA015749,	AA196287,	-	AL049872, U62317,
				AC002471,	AC005374,	AC004383,	AC006013,
				AC004878,	AL022721,	AL035458,	AC004837,
				AC005291,	AC004797,	AC004934,	AC006561,
				AL035587,	AC005829,	AC003041,	AC002558, Z99495,
_				AC005091,	AC005156,	AL035687,	Z82206, AP000255,
				AC004941,	AL034400,	AL022165,	AF031078,
					AL110280,	AP000213,	AF030876,
				AC006017,	AC004987,	AP000135,	AC005815,
				AC007458,	AC006115,	AC006222,	AP000247,
				AL078463,	AL078463, AP000344,		AP000031,
				AC005488,	AC005488, AL031346,	AL050322,	AP000697,
				AL031281,	AC005876,	AL031281, AC005876, AL137270,	U95739, AP000130,
				AP0000208,	AF207550,	AP000208, AF207550, AC002464,	AL096776,
				AC002472,	AL022400,	AC002472, AL022400, AC007172,	AL133245,

				AT.031732	AT.031732 AT.137716 AC004253 AT.031984	AC004253	AT.021984	
				AC002540,	AC002540, AC007193, AL020997, AF042090,	AL020997.	AF042090,	
				AC006112,	US2112, AP	000152, AC	AC006112, US2112, AP000152, AC002430, AF184110,	184110,
				AC002551,	AC002551, AF111168, AC006501, AF130343 ALOGATO1 783840 AC005011 AC007384	AC006501,	AF111168, AC006501, AF130343,	81.5030
1155	HUFDC50	875690	Preferably excluded from the	AA489935	1050505	, 177000	1500100	0110101
			present invention are one or more					
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 605 of					
			SEQ ID NO:1155, b is an integer of	•				
			15 to 619, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1155, and where b is greater					
			than or equal to a + 14.					
1156	HKLABSI	875697	Preferably excluded from the	AA542845.	AA782986.	AW173084	AA542845. AA782986. AW173084. AA971073. AW183046	AW183046
			or or or the state of the state					-
			הוא בווי דווי בווידטוו שוב סווב סו שטוב					
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
_			is any integer between 1 to 517 of					
			SEQ ID NO:1156, b is an integer of					
			15 to 531, where both a and b					
			correspond to the positions of					
_			nucleotide residues shown in SEQ ID					
			NO:1156, and where b is greater					
			than or equal to a + 14.					
1157	HCGBB63	875698	Preferably excluded from the	AI568430,	AI568430, AI246554, AW027069, AA877169,	AW027069,	AA877169,	
			present invention are one or more	AW149590,	AW149590, AI183422, AA716169, AI090869,	AA716169,	AI090869,	
			polynuclectides comprising a	AW005361,	AW005361, AA557127, AA993093, AW161538,	AA993093,	AW161538,	
_			nucleotide sequence described by	AI214928,	AI214928, AI379010, AA506979, AI687187,	AA506979,	AI687187,	
			the general formula of a-b, where a	AA433903,	AA433903, AA642688, AI335958,	AI335958,	AI333689,	W57684,
			is any integer between 1 to 812 of	AI040452,	AI040452, AI275620, AA890300, AI190701,	AA890300,	AI190701,	
			SEQ ID NO:1157, b is an integer of	AI290057,	AI290057, AI348102, AA926808,	AA926808,	AI031596, N90906,	N90906,

			15 to 826, where both a and b correspond to the positions of	AA872078, AI299396, W94366, N41036, AI282284, AI185236, AA453236, AI355169, W94475, AA948179,
			nucleotide residues shown in SEQ ID	AW025303, AI146903, AI826491, AA827294,
			NO:1157, and where b is greater	AI193123, AA451693, AI168575, AI268775,
			than or equal to a + 14.	AI832661, AA885921, AI318374, W78211, AI797521,
				AW161473, AI878908, AA676574, W16482, AI140474,
_				W19391, AA453076, AA807423, AW376438, W46807,
				F27907, H70310, AA746789, H22415, AA873324,
				AA427994, H18364, W16663, AA826881, H18333,
				C03502, F35271, F34797, AA375365, F32270,
				W46925, F35644, AA650485, AA758625, N89448,
				AA889188, AA494406, AA310092, H70822, AA906816,
				AA338496, AI335184, AA365661, AI906375,
				AA341769, AI459562, AA507722, C04086, AA327882,
				AA625863, F36483, A1906786, AA434582, H44893,
				W70314, H70823, AA583003, W31888, C01703,
				AI249827, F28846, H40883, AF044953, X59697
1158	HRGDD40	875699	Preferably excluded from the	AA827755
			present invention are one or more	
			polynucleotides comprising a	
	- -		nucleotide sequence described by	
_			the general formula of a-b, where a	
			is any integer between 1 to 600 of	
			SEQ ID NO:1158, b is an integer of	
			15 to 614, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1158, and where b is greater	
			than or equal to a + 14.	
1159	H2LAD49	875700	Preferably excluded from the	AI674404, AI091450, AA313891, N64362, AA593226,
_			present invention are one or more	AW135198, D51423, D58283, D80253, D80188,
	•		polynucleotides comprising a	D59859, D59610, D59502, D80227, D57483, D59275,
		_	nucleotide sequence described by	D80022, C14331, D80166, D80366, D80195, D50979,
			the general formula of a-b, where a	D59619, D81030, D80210, D51799, D80391, D80164,
			is any integer between 1 to 580 of	D80240, D59889, D80043, D59787, D80269, D80212,
			SEQ ID NO:1159, b is an integer of	D80196, D80378, D80038, D80219, D59467, D59927,

	15 to 594, where both a and b	C14389, D80193, D50995, C15076, D80024, D80241,
_	correspond to the positions of	AA305409, C14429, T03269, D80045, AW178893,
	nucleotide residues shown in SEQ ID	D51060, C75259, C14014, AW178775, D51022,
	NO:1159, and where b is greater	D80134, AW352158, D51250, AW179328, D81026,
	than or equal to a + 14.	AW177440, AW378532, D80168, AA305578, D51079,
	•	D59695, D80251, D58253, F13647, D80522, D80248,
		C14227, AW178762, AA514188, AW177501, C14298,
		AW177511, D80133, D81111, Z21582, C14407,
-		AA514186, AW360811, AW378540, AW377671, C05695,
		AW375405, AW179012, D80268, AW179024, AW178971,
_		D80132, AW366296, AW179020, AW360817, AW375406,
		AW177456, AW378534, AW352171, AW179332,
		AW377672, AW179023, AW178905, AW179007,
		AW178754, AW177714, D59373, AW377676, AA285331,
_		AW360834, D51097, D80302, D80014, AW179004,
		D80439, AW178906, AW352170, AW177731, AW178907,
		AW179019, AW179018, D80247, AI557751, AW378528,
		AW178908, D51103, AW352174, T11417, AW178983,
		AW178914, AW378543, AW378525, D59627, D80157,
		T03116, AI557774, D51759, AW178774, AW178781,
		AW352163, T48593, C06015, D50981, D80258,
		D51231, AW178755, D59653, T02974, H67854,
		AW178986, D45260, D51213, AW378533, AW367950,
		AA809122, D45273, T03048, C03092, AI525923,
		H67866, C14957, D59503, D59317, H67858, C14344,
		C14973, AI525917, D58246, AW179013, D80064,
		C16955, D51221, D59474, D59551, AI525920,
		AI525237, D60010, AA514184, D58101, AI535686,
-		AI525235, Z30160, AI525227, AI535961, C14046,
		Z33452, AI525222, AI525242, A84916, A62300,
		A62298, AJ132110, AR018138, Y17188, X67155,
		D26022, A25909, A67220, D89785, A78862, D34614,
		I82448, D88547, AR008278, AF058696, X82626,
		AB028859, AR025207, Y12724, AB012117, A82595,
		X68127, AB002449, A94995, A85396, AR066482,
		AR060385, A44171, A85477, AR008443, I19525,

				A86792, U87250, X93549, I50126, I50132, I50128, I50133, AR066488, AR016514, AR060138, A45456,
				A26615, AR052274, AR054175, Y09669, A43192,
				A43190, AR038669, AR066487, A30438, I18367, D88507, I14842, D50010, Y17187, AF135125,
				AR008277, AR008281, X64588, A63261, AR008408,
				I79511, AR062872, A70867, AR016691, AR016690,
				U46128, D13509, ABO33111, A64136, A68321, AR060133, AR064240
1160	HMSGN49	875703	Preferably excluded from the	AW294985, AI656659, AI950220, AI624744,
			present invention are one or more	AW003841, AW081373, AI652917, AA332683
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 345 of	
			SEQ ID NO:1160, b is an integer of	
			15 to 359, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1160, and where b is greater	
			than or equal to a + 14.	
1161	HWLMC49	875704	Preferably excluded from the	AA827244, T79702, T82086
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 619 of	
			SEQ ID NO:1161, b is an integer of	
			15 to 633, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1161, and where b is greater	
			than or equal to a + 14.	
1162	HAVME52	875705	Preferably excluded from the	AF109298, AW131127, AI092766, AA149579, N52554,
			present invention are one or more	N59831, AA151796, AA687571, AI474235, AA658141,
			polynucleotides comprising a	AA296298, AA177004, W31561, AA523588, AI525303,

			nucleotide sequence described by the general formula of a-b. where a	NS9830, AA662843, AA151807, W32120, W32085, W31628, AA523333, AC002064	AA151807, W3 AC002064	12120, W32085,
			is any integer between 1 to 1408 of			
			SEQ ID NO:1162, b is an integer of			
			15 to 1422, where both a and b			
			correspond to the positions of	-		
			nucleotide residues shown in SEQ ID			
			NO:1162, and where b is greater			
			than or equal to a + 14.			
1163	HCQDP49	875708	Preferably excluded from the	H29023		
	,		present invention are one or more			
			polynucleotides comprising a			
			nucleotide sequence described by			
-			the general formula of a-b, where a			
			is any integer between 1 to 499 of			
			SEQ ID NO:1163, b is an integer of			
			15 to 513, where both a and b			
			correspond to the positions of			
			nucleotide residues shown in SEQ ID			
			NO:1163, and where b is greater			
			than or equal to a + 14.			
1162	HCROW44	875717	Preferably excluded from the	T68115, AF090125,	AF074264, AC	T68115, AF090125, AF074264, AC007537, AF074265
			present invention are one or more			
			polynucleotides comprising a			
			nucleotide sequence described by			
			the general formula of a-b, where a			
			is any integer between 1 to 563 of			
			SEQ ID NO:1164, b is an integer of			
			15 to 577, where both a and b			
			correspond to the positions of			
			nucleotide residues shown in SEQ ID			
			NO:1164, and where b is greater			
			than or equal to a + 14.			
1165	HDPHF03	875719	Preferably excluded from the	AW237145, AI964041, AI652991, AW388333,	11, AI652991,	AW388333,
			present invention are one or more	AW388283, AW388339, AW388453, AW378440,	39, AW388453,	AW378440,
			polynucleotides comprising a	AW388413, AW388414, AI634155, AW388480,	14, AI634155,	AW388480,

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	nacieotide seguence described by	AW388438, Alb24430, Alb//363, Al492186,
	the general formula of a-b, where a	AW388607, AW388633, AW388711, AI694383,
	is any integer between 1 to 651 of	AI963871, AI015391, N26502, AW388591, AW388449,
	SEQ ID NO:1165, b is an integer of	AW388687, AW388511, N59336, AI352317, AW197113,
	15 to 665, where both a and b	AW366319, AI476054, AA526522, AW388455,
	correspond to the positions of	AW388543, N67998, AW388336, AW388273, AW388642,
	nucleotide residues shown in SEQ ID	AW388570, AW388358, AI206626, AW352126, H06135,
	NO:1165, and where b is greater	R38073, AA639698, AA227926, AI001745, AW388561,
	than or equal to a + 14.	AI267688, AW378421, AW378465, T32854, AW388265,
_	•	AI619649, R44314, AW388270, AI423703, F10774,
		AW388586, R37116, T16595, C00538, R40211,
		H05894, AW388632, AW388615, AA227760, AW352118,
		AW023625, AW080157, AA693354, AW161156,
		AW020693, AI590043, AI623941, AI923446,
-		AL079963, AI421662, AI567971, AI469754,
		AW089844, AA720970, AI696583, AI923989,
		AI818353, AW129264, AI559752, AL038986,
		AI500061, AI635082, AW163464, AI401697,
		AW059828, AW161098, AW020480, AI491842,
		AL042944, AI619820,
		AI114703, AI633125, AI698391, AI802695,
		AL120700, AI686808, AL040161, AI744204, N25033,
		AI673278, AI370623, AW168406, AL120526,
		AL040844, AA641818, AL036954, AA832154,
		AI610714, AW160916, AI818574, N29277, AW188525,
-		AIS38829, AI612747, AL043152, AW151974,
-		AI890907, AI799228, AI817373, AL120588,
		AL045413, AI539690, AI627988, AI628325,
		AA907131, AW024921, AI567582, AI247082,
		AI610690, AI884459,
		AI866801, AL134999, AL121014, AI798456, R20540,
		AI446775, AL048323, AL120056, AL048340,
_		AL047344, N33175, AA937574, AL119863, AI801793,
		AI440238, AI583578, AW051088, AI244343,
		AL045986, AI929108, AL135517, AL080011,
		AW160905, AI285514, AI887308, AI307604,

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	TH '/86%/STH	
	A1866131, AI	AI866131, AI590943, AI699823, AA128805, T95813,
	AA814990, AI	AA814990, AI523973, AI815237, AA292158,
	AI863241, AI	AI285439, AI097137, AI638644,
		AI631076, AA928539, AI824688,
		AI866465, AI872104, AI969655,
	AI686576, AW	AW087445, AI952306, AI909641,
_	AL036638, AI	AI766348, AL040169, AW151132,
		AI289483, AI457113, AI687944,
	AI522052, AW	AW021662, AW188390, AI538764,
	AI682971, AI	AI909697, AI536685, AI815232,
	AI866090, AI	AI824375, AW162118, AI635950, T66952,
	AI874238, AW	AW027898, AI687614, AA847198,
	AI580697, AI	AI631082, AL039274, AW021717,
	AI421252, AI	AI349012, AF090901, I48978, AL137533,
	AC007458, AF	AF183393, Y16645, A12558, AF090934,
	AF113694, AB	AF113694, AB016226, AF090900, U68387, AL133049,
	AF079763, AL	AF079763, AL050149, AF111851, AF002672,
	AF115392, M8	AF115392, M85164, AF114784, AJ005690, A65965,
	AF126247, AF	AF126247, AF126488, A65943, AL050172, AF106657,
	I48979, Y106	148979, Y10655, X79812, AL117457, U62807,
	AF124728, AL	AF124728, AL050143, Y13350, AL137539, X66871,
	A77033, A770	A77033, A77035, AL137554, AL096744, U72621,
	AL049452, S6	AL049452, S61953, AL122050, AB025103, AF090886,
	AL050116, AF	ALOS0116, AF125948, AL137488, AF113690, A65340,
	MB5165, AJ00	M85165, AJ000937, A03736, M79462, AL117635,
	AF113019, A6	AF113019, A65341, AL122104, AL133557, AL122093,
_	AL133619, AL	AL133619, AL050393, AL133665, S36676, AL137459,
		Y07905, X65873, AF008439, AL137550,
	AL133623, AF	AF111849, AF090903, I00734, U92992,
	AF087943, Z3	AF087943, Z37987, E00617, E00717, E00778,
	D83032, I899	D83032, I89947, AF078844, AL122110, A08456,
-	AF159615, IO	AF159615, 109499, AL133113, AF139986, AF182215,
	AL133560, Y1	AL133560, Y11254, A08913, X89102, A91160,
	AJ010277, AI	AJ010277, AL137254, A91162, AF192522, I28326,
	AR066485. X7	X70685, Z82022, I80062, AF017152,

				The second secon
				AL122100, S83440, AF177401, AL035458, AL137463,
				A08910, E08516, AF077051, AL049283, AR060156,
	_			U42766, A58524, A58523, U75932, A08907, A18777,
				A31057, AF118094, AL133080, I33392, AL137530,
				E07108, AJ006039, U73682, E02221, AL080124,
				AL133559, I89931, AR020905, AL133637, AL080227,
_				E03671, A76335, AF031147, AL050146, AL137660,
_				U78525, AL133031, AL137267, X81464, I49625,
				A08909, AF082526, AF119336, AL049382, AF004713,
				I61429, AF026124, AF061795, AF151685, AF004162,
				AL110222, AL137480, AF131773, AL049430,
_				AL137529, AL023657, X99971, A08912, AR034821,
				AL122121, AF057300, AF057299, AF104032, X72889,
				A08911, AF113013, AL050170, AF100931, AL137557,
				AL117587, AF132676, AF118090, AF061836,
				AL137658, AL133014, AF146568, S77771, AL137479,
				AF126372, AL117648, AL137627, AR013797,
				AL133084, AF162782, AL137471, Y09972, U75304,
_				AL137294, S76508, A18788, AR038854, S78214,
				AL110159, Y08864, AF113699, AL137560, AF106827,
				AF118092, AF142672, AB007812, AF185614, U37359,
				AL133568, AL080129, AF019298, I34395, I18358,
				AF000167, AF097996, A08908, AF201468, AL133640,
_	•			AR012379, X72624, AL080110, AL117460, M96857,
				E12580, U51123, AR068753, AL096728, AL117435,
				AL122123
1166	HCRMO82	875722	Preferably excluded from the	AI819400, AI814979, AA044953, AI689770,
_			present invention are one or more	AA018062, AI590996, AI760506, AI910522,
			polynucleotides comprising a	AL119008, AA135834, AA989500, AW451393,
			nucleotide sequence described by	AA988092, AI741134, AA721752, AW316860,
_			the general formula of a-b, where a	AI823528, AI672307, AW451917, AA911199,
			is any integer between 1 to 1063 of	AI656437, AL119009
			SEQ ID NO:1166, b is an integer of	
			15 to 1077, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	

			NO:1166, and where b is greater	
-			than or equal to a + 14.	
1167	HFCDF47	875724	Preferably excluded from the	AI817320, AI147544, AI669712, AA610839,
			present invention are one or more	AI955720, AI056448, AI056793, AA402968,
			polynucleotides comprising a	AI982764, AA909968, AA643704, AI499360,
			nucleotide sequence described by	AW169601, AA832501, AI284966, AW272685,
			the general formula of a-b, where a	AA665839, AA922928, AA653898, AA470857,
			is any integer between 1 to 1163 of	AA911776, AI359243, AI423624, AI587214, R14201,
			SEQ ID NO:1167, b is an integer of	AA316613, AA883307, R37484, AA531527, N74317,
			15 to 1177, where both a and b	AI089835, AA915883, AI381713, H04547, AA702343,
			correspond to the positions of	H04468, AA059276, D30942, W05225, AA401934
			nucleotide residues shown in SEQ ID	
			NO:1167, and where b is greater	
			than or equal to a + 14.	
1168	HFICJ16	875725	Preferably excluded from the	AI394070, AI559997, AC007262
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
_			the general formula of a-b, where a	
			is any integer between 1 to 684 of	
			SEQ ID NO:1168, b is an integer of	
			15 to 698, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1168, and where b is greater	
			than or equal to a + 14.	
1169	HWLLU74	875727	Preferably excluded from the	AI131018, AA579604, AI719085, AI859045,
			present invention are one or more	AW131268, AI814819, AI888714, AA568348,
			polynucleotides comprising a	AI342165, AI860466, ÅA534872, AI914155,
			nucleotide sequence described by	AI125453, W72331, W74397, AI300474, AA593735,
			the general formula of a-b, where a	AI498120, AA879110, AA995383, AI914049,
			is any integer between 1 to 1394 of	AW449767, R60206, AA587361, AA588397, AI016404,
_			SEQ ID NO:1169, b is an integer of	H08009, H11647, AI269377, H12175, H19419,
			15 to 1408, where both a and b	AI358021, T35018, AA470365, R14664, AA588354,
			correspond to the positions of	H27693, H19418, H27694, H73776, AI337500,
			nucleotide residues shown in SEQ ID	AI125449, AW078532, AA369905, Z41279, R45641,

eater AA404338, AA935725, AI678765	he . AA700315, AA485611 or more bed by , where a 0 810 of d b s of in SEQ ID	or more bed by vere a o S81 of the by	he AA305824, AA315640, AW390685, D59502, AA193420, or more D80024, D58237, D81030, D57483, D59595, D801391, D80024, D58232, D80025, D80025, D801056, D80026, D80126, D80126, D801213, D80129, D80210, D801210, D81799, D80240, where a D59927, D80227, D80022, D80212, D80188, D80219, C472 of D80955, D80286, D80318, C14389, D59889, C14331, db D80366, D80134, D80144, D59610, D50979, C15076, db D80467, D80378, C144129, AA305409, D800341, B of D80045, T03269, C14014, D51060, C75259, D51022,
NO:1169, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 810 of 55 to 824, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1170, and where b is greater than or equal to a + 14.	preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 581 of 580 IO NO:1171, b is an integer of 15 to 595, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1171, and where b is greater than or equal to a + 14.	
	875728	875729	875731
	HLMDL53	HODBC46	HCYBO46
	1170	1171	1172

	NO:1172 and where b is greater	D80268 D51250 AW178775 AW177440 AW378532
	than or equal to a + 14.	AA305578, D58253, C14227, D80949, AW369651,
	•	D80522, D80168, D52291, D51079, AW352158,
		D80251, D81111, Z21582, D80248, AW178762,
		AA514188, AI910186, AA514186, C14298, AI905856,
_		AW177501, AW177511, D80064, D80133, AW360811,
		C14407, C05695, AW352117, AW176467, AW375405,
		AW378540, AW377671, AI557751, D80132, AA285331,
		AW177731, D51097, AW366296, AW360844, AW360817,
		AW375406, AW378534, AW179332, AW377672,
		AW179023, AW178905, AW360834, D80302, AW352171,
		D80439, AW377676, AW178906, AW352170, AW178907,
		AW179019, AW179024, D59373, D80247, D51103,
		AW179220, AW177505, AW179020, AW360841,
		AW178909, AW177456, AW352174, AW179329,
		AW177733, AW178980, AW179018, D59503, AW378528,
		AW178908, AW178754, T11417, AW179004, AW177722,
		AW179012, D80014, AW178914, AW378525, AW367967,
		D80157, AW177728, T03116, AW179009, D51759,
		AW178774, AW178911, AW378543, AW352163, D58246,
		AW178983, AW352120, AW178781, T48593, D58101,
		C06015, D80258, D59627, T02974, AW177723,
		D59653, AW177508, AW378539, C14975, D51213,
_		D45260, AI535850, AI557774, AW378533, AW367950,
		H67854, AI525923, AW177497, C03092, H67866,
		AA809122, C14973, AW178986, AW177734, AIS25235,
		AI525917, D45273, D59317, C14344, D51221,
		D59551, D50981, D59474, AI535686, AI525920,
		D60010, AA514184, C14957, D60214, AI525227,
		C14046, T03048, AI535961, AI525242, AI525912,
		AW378542, AI525925, AI525215, C16955, C05763,
		Z33452, AI525222, AF060219, A84916, A62300,
		A62298, AJ132110, AR018138, X67155, Y17188,
		D26022, A25909, A67220, D89785, A78862, D34614,
		D88547, AF058696, X82626, AR008278, AB028859,
		I82448, AR025207, Y12724, AB012117, X68127,

				A82595, A85396, AR066482, A44171, A94995,
				A634//, II3323, A66/32, U8/23U, AKU6U363, BROD2449 X93549 ABOOR443 T50136 T50132
				IS0128, IS0133, AR066488, AR016514, AR060138,
				A45456, A26615, AR052274, AF135125, AR066490,
				Y09669, A43192, A43190, AR038669, AR066487,
				I18367, A30438, AR054175, D88507, I14842,
				X64588, D50010, Y17187, A63261, AR008277,
				AR008281, AR008408, AR062872, A70867, AR016691,
				AR016690, U46128, AB033111, I79511, D13509,
				A64136, A68321, AR064240, AR060133, U87247,
				AB023656, U79457, Z82022, AF123263, AR032065,
				AR060382, X93535, AR008382
1173	HCUEB32	875733	Preferably excluded from the	AW168181, AW206649, AI922409, AW080620,
			present invention are one or more	AW130528, AI761499, AA653277, AI927432,
			polynucleotides comprising a	AW081680, AI167194, AW081694, AL040959,
			nucleotide sequence described by	
			the general formula of a-b, where a	AI337391, AI203409, AI339098
			is any integer between 1 to 1095 of	
			SEQ ID NO:1173, b is an integer of	
			15 to 1109, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1173, and where b is greater	
			than or equal to a + 14.	
1174	HCRNQ45	875734	Preferably excluded from the	W39008, AW444757, AW452817
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 403 of	
			SEQ ID NO:1174, b is an integer of	
			15 to 417, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1174, and where b is greater	

		than or equal to a + 14.	
HWLO086	875736	+-	AW007552, AA631188, AI591162, AI597940,
		present invention are one or more	AI913964, AI125099, AA514439, AI732368,
		polynucleotides comprising a	AA130570, AA524037, AI732382, AI913985, T24883,
		nucleotide sequence described by	T24441, Z82216, AL049543, AE000660, AC005145,
		the general formula of a-b, where a	AL034369, AL031176, AL022158, Z69906, AL049750,
		is any integer between 1 to 958 of	AC007486, AL035552, AC008109, AL022164, Z97181,
	•	SEQ ID NO:1175, b is an integer of	AC004865, AC002412, AC004075
		15 to 972, where both a and b	
		correspond to the positions of	
		nucleotide residues shown in SEQ ID	
		NO:1175, and where b is greater	
-		than or equal to a + 14.	
HSPME53	875737	Preferably excluded from the	
		present invention are one or more	
		polynucleotides comprising a	
		nucleotide sequence described by	
		the general formula of a-b, where a	
		is any integer between 1 to 429 of	
		SEQ ID NO:1176, b is an integer of	
		15 to 443, where both a and b	
		correspond to the positions of	
		nucleotide residues shown in SEQ ID	
		NO:1176, and where b is greater	
		than or equal to a + 14.	
H2CBE48	875738	Preferably excluded from the	AI807250, AI089251, AI378396, AI650375,
		present invention are one or more	AI087818, AA770446, AI493563, AA805923, H75516,
		polynucleotides comprising a	AI493544, AI261989, AA307336, C14331, C14344,
		nucleotide sequence described by	C14407, D50995, D59927, AA514188, C14389,
		the general formula of a-b, where a	D80168, C03092, F13647, D58101, D80022, T02868,
		is any integer between 1 to 577 of	D80247, C15076, D45273, D80269, D51799, D59503,
		SEQ ID NO:1177, b is an integer of	D80227, D59502, Z33452, D80228, D80188, D59467,
		15 to 591, where both a and b	AA305720, D59610, D80378, D80241, T03048,
		correspond to the positions of	AI535961, AI525922, AI525920, AI525238,
		nucleotide residues shown in SEQ ID	AI525237, AI525907, AI525903, AI525969,
		NO:1177, and where b is greater	AJ005273, X58472, A62298, AF058696

			11				
1	97.		than or equal to a + 14.				
8/11	HCQDJ4/	875739	Preferably excluded from the	AW020917, AB00/956	AB00/956		
_			present invention are one or more				
			polynucleotides comprising a				
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 446 of				
			SEQ ID NO:1178, b is an integer of				
			15 to 460, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1178, and where b is greater				
			than or equal to a + 14.				•
1179	HDTKC01	875740	Preferably excluded from the	AA521474,		AI089721, AW297296, AW181990	AW181990,
			present invention are one or more	AI097236,	AI299185,	AI097236, AI299185, AA931786, AA836613	AA836613,
			polynucleotides comprising a	AA976871,	AI279776,	R82197, H3	AI279776, R82197, H38948, AI886396,
			nucleotide sequence described by	AW078989,		W235744, HE	W59999, AW235744, H86820, AW265599,
			the general formula of a-b, where a	AA936252,	AA069472,	AA987461,	AA936252, AA069472, AA987461, AA886940, N42321,
			is any integer between 1 to 553 of	AI524654,	AI524654, AI624859,	AI572717, AW243741	AW243741,
		_	SEQ ID NO:1179, b is an integer of	AI432644,	AI432644, AW104141,	AI345688,	AI613314,
			15 to 567, where both a and b	AI682106,	AI682106, AL047344,	AI627714,	AI686589,
			correspond to the positions of	AI801152,	AI242248,	AW023846,	AI874166,
			nucleotide residues shown in SEQ ID	AI336634,	AI336634, AA641818,	AI701097,	AI950664,
			NO:1179, and where b is greater	AI345415,	AI345415, AW366372,	AI491852,	AI620056,
			than or equal to a + 14.	AI804515,	AI804515, AW020693,	AI582912,	AI284034,
				AL041562,	AW263804,	AI887569,	AW022494,
				AI619587,	AI619587, AW020288,		AL036780,
				AI613038,	AI624529,	AI669459,	AI281412,
				AW163464,	AI586931,	AI473536,	AI434223,
				AW083825,	AI478902,	AI884318,	AIS67211,
				AA857847,	AI922037,	AI799674,	H41759, AI355613,
				AI687809,	AW083572,	AI923871,	AW410430,
				AI537261,		AI627896,	AI352290,
				AI679959,	AI915291,	AW152182,	AI702527,
				AI472566,	AI540674,	AI436429,	AL045163,
				AW020592,	AI349957,	AW020592, AI349957, AI348969,	AI584130,

	AI758924, AI345005.	AW438793. AI471909.	
		A LO A O LIVE	
		AMINACIA,	
	AW263823, AW073677,		
	AI819545, AI345014,	, AIS38564, AI799189,	
	AI452560, AI655932,	, AI538716, AI699020,	
	AI682640, AI690813,	, AW075382, AI309306,	
	AW105431, AW411225,	, AI698391, AI633061,	
-	AI281772, AI520881,	, AI620643, AI355779,	
	AW024594, AW118518,	, AI568886, AI638644,	
	AI334893, AI688848,	, AI273856, AI491710,	
	AI628214, AI434731,	., AI289791, AI473208,	
	AI889189, AI690748,	, AI569975, AW081047,	
-	AI918554, AI306705,	, AI340627, AI554186,	
	AI620003, AW073898,	, AI624157, AW148356,	
	AI499570, AI49986,	i, AIS91310, AL045413,	
	AL039274, AW022636,	, AI963068, AI955906,	
	AI702301, AI471429,	, AL036923, AI866465,	
	AL135024, AI538829,	', AI624084, R41605, AI889147,	389147,
		., AA815283, AI500061,	
		AI439903, AW103628, AI254226,	
		AI521005, AI859644, AI699823,	
	AI890907, AW020397	AW020397, AI683173, AI670009,	
		F28295, AW170635, AI244647, AW088605,	088605,
		AA019328, AI631264, AW089572,	
		AW090103, AW023871, AW192701,	
		', AI866573, AA042949,	
		, AI500523, AI538850,	
		, AI536836, AA827691,	
		AI583578, AI349958,	W45537,
		1, AA761557, AI345416,	
	AA939199, AI310575,	5, AI868180, AW024360,	
		AI680504,	
	AI886181, AI285439,	 AA693331, AI433611, 	

	AI254420, AW025279, AI678850, AI590043,	, AI590043,
	AW129264, AB023145, AB028449, AL122045, U49908,	, AL122045, U49908,
	AL080074, AL122100, X57084, AL122104,	AL122104, AF004162,
	AL137711, AR038854, E02152, AF002672, I89947,	AF002672, I89947,
	L13297, A18777, AF118094, I48978, I33391,	8978, I33391,
	U42766, AL137558, U88966, E12806, AJ006039,	2806, AJ006039,
	A08913, U80742, AL137488, AL049324, E03671,	049324, E03671,
	AL117626, AL050149, A08912, AF141315, AF090901,	AF141315, AF090901,
	X65873, AL133049, S77771, AF119337, U92992,	119337, U92992,
	I89931, U35846, AL117460, AL049466, AF032666,	049466, AF032666,
	S76508, A08910, A08911, I89934, I49625, A08909,	34, I49625, A08909,
	B02253, AF142672, M96857, X06146, AF185576,	6146, AF185576,
	A08907, A08908, IS2013, I32738, AL080126,	38, AL080126,
	A58524, A58523, Y18678, U58996, AF146568,	96, AF146568,
	AF119358, AL137539, Z97214, AR020905, AF036941,	AR020905, AF036941,
	U72621, AF038440, A18788, AL050015, A86558,	050015, A86558,
	ALO50208, A77033, A77035, AL133640, AF139986,	133640, AF139986,
	AL137555, AF019298, AF000145, AL110280, X57961,	, AL110280, X57961,
	AF115410, AL137283, AF090943, AF115392,	, AF115392,
_	AL137459, I17767, S82852, AL133113, AL049452,	133113, AL049452,
	AR068466, A15345, AF026816, S75997, S78453,	S75997, S78453,
	AL137478, X83544, AL137530, X80340, AL137271,	X80340, AL137271,
	AL049314, AL137258, M85165, U86379, AF026008,	U86379, AF026008,
	E12580, AF044323, AF061981, AL133619, AL137465,	AL133619, AL137465,
	AF055917, AL035587, A17115, A18079, AL080124,	A18079, AL080124,
	AF067790, AL133637, AJ000937, AL133557,	, AL133557,
	AL110158, E12579, U57352, AL122118, AL117435,	122118, AL117435,
	E02221, A90832, AF008439, AL137479, I00734,	137479, I00734,
	AF113694, S63521, AR068753, AL133558, A65341,	AL133558, A65341,
	X70685, AF069506, X72624, AL050280, AF031147,	050280, AF031147,
	AF183393, AF159148, Y09972, X54971, I09499,	X54971, I09499,
	E00617, E00717, E00778, AF016271, AF030513,	6271, AF030513,
	X66975, AF102578, AF106862, AF057300, AF057299,	AF057300, AF057299,
	I89944, E12747, A21103, X63410, Y10823,	10, Y10823,
	AF106657, AL050172, AL117416, AF151109,	, AF151109,
	AL080140, AF194030, E06743, AB016226, AF113019,	AB016226, AF113019,

				A5/889, AF113871, X6885, AL049339, Y16645, AL117587, AF087943, AL050277, AF107847, AL113081, AF141289, AL050277, AF107847, AL113081, AF141289, AL050277, AF107847, AF107847, AF107847, AF107847, AF107847, AF107847, AF107848, L31396, AF15824, AL110224, A1227, AL113026, AF158248, AL110224, A12297, AL113022, AL13306, AF158248, AL137537, AE126247, X66817, AL049938, E04233, X11254, AF126247, X66871, AL049938, E04233, X11254, AF150103, AL13753, AF150103, AL13753, AF150103, AL13773, AC13753, AL060356, AF113013, I22904, X66417, E01573, E02319, AF106945, AL13743, AL110171, X98066, X10655, AF091084, AF090934, AF100171, X98066, X10655, AF0949382, X92070, AF100171, AL137281, AL1372	50116, 224, 590, 77537, 7, 4, 4, 824, 813, 813, 813, 813, 813, 813, 814, 813,
0811	Н СQD[44	875746		·	
181	HNFGP44	875747	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 365 of SEQ ID Mo1181, b is an integer of 15 to 379, where both a and b	AII33562, AA885881, AI783849, AA829608, AW058434, AL109610, AC005071, Z54246, Z69837, AR005516, AC007055, AC00657, AL078583, AF097732, AC005220, AC006964, AC006030, AC008545, AL049780, U91327, AC06023, AL020997, AL133371	837,

			correspond to the positions of nucleotide residues shown in SEQ ID	
			NO:1181, and where b is greater than or equal to a + 14.	
1182	HWLQG44	875751	Preferably excluded from the	AW130607, AA976866, R66412, AI289641, AI459945,
			present invention are one or more	AC004851
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 389 of	
			SEQ ID NO:1182, b is an integer of	
	-		15 to 403, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1182, and where b is greater	
			than or equal to a + 14.	
1183	HHMMD4	875752	Preferably excluded from the	AA262855
	4		present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 403 of	
			SEQ ID NO:1183, b is an integer of	
			15 to 417, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1183, and where b is greater	
			than or equal to a + 14.	
1184	HCQAC43	875753	Preferably excluded from the	AI880389, N20300, N63913, AW083576, N27569,
			present invention are one or more	N98285
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 629 of	
			SEQ ID NO:1184, b is an integer of	
			15 to 643, where both a and b	

correspond to the positions of nucleotide residues shown in SEQ ID NO:1184, and where b is greater than or equal to a + 14.	87554 Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 537 of SEQ ID NO:1185, b is an integer of 15 to 551, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1185, and where b is greater than or equal to a + 14.	E66 875760 Preferably excluded from the presert invention are one or more present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 553 of 5EQ ID NO:1186, b is an integer of 15 to 567, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1186, b and where b is greater than or equal to a + 14.	D73 875761 Preferably excluded from the AA700080, AA305107, AI241587, AW295338, present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 552 of
		875760	
	1185 HWLUF33	1186 HCRPE66	1187 HCYBD73

			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1187, and where b is greater		
			than or equal to a + 14.		
1188	HWTCF43	875765	Preferably excluded from the	W03161, AA3723	W03161, AA372394, AA626628, AL134565, AA321501,
			present invention are one or more	AA598424, N465	AA598424, N46519, AI832184, AF003625, AC004065,
_			polynucleotides comprising a	AL022401, AC00	AL022401, AC000980, AL022577, AC004066,
			nucleotide sequence described by	AC004043, AL02.	AC004043, AL023878, AC007313, AC003091,
			the general formula of a-b, where a	AL031289, AF05	AL031289, AF055066, Z80903, AL049778, AC005017,
			is any integer between 1 to 290 of	AC007533, Z739:	Z73913, AC006257, AL132668, AL021329,
			SEQ ID NO:1188, b is an integer of	AC001017, Z838;	Z83820, AL031388, AC003976, AC002463,
			15 to 304, where both a and b	AC012085, AC00	AC012085, AC004051, AL009047, AL022400,
			correspond to the positions of	AL031673, 2940	AL031673, Z94055, AC016831, AL133239, AL096803,
			nucleotide residues shown in SEQ ID	Z83850, AC0061	Z83850, AC006197, AF126403, AC006466, AF002223,
			NO:1188, and where b is greater	AC000114, AF03	AC000114, AF036876, AC009891, AL031114,
			than or equal to a + 14.	AC006195, AL12	AC006195, AL121595, AL109847, AC006397,
			•	AL031116, AL08	AL031116, AL080316, AL008629, AL034412.
				AL050401, U804	U80459, U96409, AP000127, AP000205,
					Z93929, AF003528, AL022727, AC004057,
_					AC006545, AC004010, AC006546,
				AL009174, AC00	AC006313, AP000245, AL031466,
				AF020801, AC00.	AF020801, AC002990, AC005539, AC005352,
				AP000141, AC00	AP000141, AC008082, AL034351, AC002394,
				AC005703, AC00	AC005703, AC006207, Z95126, AL133241, AC005939,
				Z95114, AP0000	Z95114, AP000088, AC005859, AL109662, AL022154,
				AL035695, AC00	AL035695, AC000110, AC007004, AL030996,
				AL031074, AC00	AL031074, AC002071, AC005337, D87675, AC004959,
				AL031584, AC00	AL031584, AC004544, AC018633, AC004470,
				AL049859, AC00	AL049859, AC007243, AL034410, AC004069,
				AL079306, AL12	AL079306, AL121652, Z68746, Z99572, AL132777,
				AL035258, AL13	AL035258, AL132774, AC006365, AC004908
1189	HCRNA26	875766	Preferably excluded from the	AI492910, H279	AI492910, H27915, R87432, AC004492
			present invention are one or more		
			polynucleotides comprising a		
			nucleotide sequence described by		
			the general formula of a-b, where a		

		is any integer between 1 to 526 of	
		15 to 540, where both a and b	
		correspond to the positions of	
_	_	nucleotide residues shown in SEQ ID	
		NO:1189, and where b is greater	
_		than or equal to a + 14.	
HCQDD42	875768	Preferably excluded from the	R30734, R58196, AI808768, AI809938
_		present invention are one or more	
		polynucleotides comprising a	
		nucleotide sequence described by	
		the general formula of a-b, where a	
		is any integer between 1 to 475 of	
	_	SEQ ID NO:1190, b is an integer of	
		15 to 489, where both a and b	
		correspond to the positions of	
		nucleotide residues shown in SEQ ID	
	_	NO:1190, and where b is greater	
		than or equal to a + 14.	
HCRNN21	691518	Preferably excluded from the	H39029, AL133893, AB023167
		present invention are one or more	
		polynucleotides comprising a	
		nucleotide sequence described by	
		the general formula of a-b, where a	
		is any integer between 1 to 398 of	
-		SEQ ID NO:1191, b is an integer of	
		15 to 412, where both a and b	
		correspond to the positions of	
		nucleotide residues shown in SEQ ID	
		NO:1191, and where b is greater	
		than or equal to a + 14.	
HCRNH26	875772	Preferably excluded from the	AI261627, AW274550, AI418272, AA458605,
		present invention are one or more	AW293861, AA731376, AI927518, D80453, AI217860
		polynucleotides comprising a	
		nucleotide sequence described by	
		the general formula of a-b, where a	

			is any integer between i to 614 or					
			SEQ ID NO:1192, D is an integer or					
			15 to 828, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
,			NO:1192, and where b is greater					
			than or equal to a + 14.					
1193	HDPWD42	875773	Preferably excluded from the	N91462, AI873775	13775			
			present invention are one or more					
			polynucleotides comprising a					-
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 266 of					_
	_		SEQ ID NO:1193, b is an integer of					
			15 to 280, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1193, and where b is greater					
			than or equal to a + 14.					
1194	HTAET42	875774	Preferably excluded from the	AC006946				
			present invention are one or more					
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 379 of					
			SEQ ID NO:1194, b is an integer of					
			15 to 393, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1194, and where b is greater					
			than or equal to a + 14.					
1195	HMCIK65	875778	Preferably excluded from the	AA488988, AI658816, AI808265, AI634138,	1658816,	AI808265,	AI634138,	
			present invention are one or more	AI695249, AA954672, AW236923, AA495812,	A954672,	AW236923,	AA495812,	
			polynucleotides comprising a	AI308233, AA910211, AA488768, W21487, AI014480,	A910211,	AA488768,	W21487, AI	.014480,
			nucleotide sequence described by	AA484868, AW382542, N91779	W382542,	01119		
			the general formula of a.b, where a					

			is any integer between 1 to 923 of				
			SEQ ID NO:1195, b is an integer of				
			15 to 937, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1195, and where b is greater				
			than or equal to a + 14.				
1196	HDTGQ43	67578	Preferably excluded from the	AA609595,	AA609595, AI034361, AA983577, AA948387,	AA983577,	AA948387,
	,		present invention are one or more	AI660929,	AI277113,	AA906837,	AI660929, AI277113, AA906837, W60817, W60814,
			polynucleotides comprising a	R54995, A.	I828307, R	55002, AI92	R54995, AI828307, R55002, AI927134, AW448912,
			nucleotide sequence described by	AW022996,	AW022996, AW020086, AL036634, AL036759,	AL036634,	AL036759,
			the general formula of a-b, where a	AL036858,	AL036924, AL038447, AL037082,	AL038447,	AL037082,
			is any integer between 1 to 476 of	AL037639,	AL119319,	AL036719,	AL110306,
			SEQ ID NO:1196, b is an integer of	AI929108,	AW071417,	AI927233,	AI621341,
			15 to 490, where both a and b	AI307557,	AW162194,	AL037615,	AW084056,
			correspond to the positions of	AI335214,	AL035928,	AL037021,	AL037643,
			nucleotide residues shown in SEQ ID	AL036167,	AL038529,	AW161202,	AI537677,
			NO:1196, and where b is greater	AW087445,	AW079432,	AW161098,	AI349186,
			than or equal to a + 14.	AI961589,	AI474646,	AI887775,	AI583578,
				AL037049,	AW151136,	AI815232,	AW303089,
				AW163834,	AI623941,	AW051088,	
				AL048298,	AI567971,	AI471429,	AW023351,
				AI631977,	AA580663,	AI888665,	AI445620,
				AIS00061,	AI866770,	AL046944,	AI285439,
				A1476076,	AI475371,	AL040636,	AI440238,
				AI538885,	AI889376,	AI679550,	AW020397,
				AI445611,	AW163554,	AI494201,	AI679266,
				AI284509,	AA572758,	AI499963,	AI340519,
				AI340603,	AL045500,	AI433157,	AI345745,
				AI702073,		AL036808, AI828412,	N33175, AA420722,
				AIS21560,		AI523806, AW022102,	AL040241,
				AI633125,		AL036638, AI698391, AI446373,	AI446373,
				AI915291,		AA514684, AI582932, AW411043,	AW411043,
				AI889189,	AI889189, AI380329, AI824576, AI241901,	AI824576,	AI241901,
_				AI432570,	AI432570, AL138388, AI345688, AI923989,	AI345688,	AI923989,
				AI458588,		1274768, A	W74529, AI274768, AI254727, AI818728,

		LAI	A1625209. A1866090. AL042551. A1802542.	4.06090. A	L042551	AI802542.
_		A.	AT.119863 AT.040011 AW023338 AT345608	4 11001	W023338	AT345608.
		¥.	AA938092, AI933992, AI554485, AI554821,	33992, A	ISS4485,	AI554821,
		AL	AL048323, AA259207, AA806719, AI290153,	59207, A	A806719,	AI290153,
		AI	AI801556, AI539771, AI890576, AL048340	39771, 4	. 1890576,	AL048340,
		AW	W152182, AIE	523736, A	W366372,	AW152182, AI623736, AW366372, H42557, AW022636,
		R3	32821, AI500	1659, AI3	145471, AI	R32821, AI500659, AI345471, AI366549, AW269097,
		AI	AI801325, AIS00523, AI582966, AI538867,	500523, 7	11582966,	AI538867,
		AI	AI284517, AI499986, AI500706, AI307543,	1 986661	\IS00706,	AI307543,
		AI	AI491776, AI4	145237, 7	AI445237, AW151138, AI434731	AI434731,
		AI	AI909661, AW172745,		AIS00662, AI680221	AI680221,
		AI		AI345253, 7	AI284060,	AL039011,
_	_	AI	AI344935, AI8	AI866573, A	AI633493,	AI433590,
		AI		AI245008, 7	AI589428, AI805769	AI805769,
		AI		AI888661, A	AI284513, AA464027	AA464027,
		AI		AI888118, F	275918, AI	R75918, AI690948, AI889147,
		AW		AI536601, A	AI440252, AL047422	AL047422,
_		AI	AI349957, AI	AI758988, F	AL043321, AI536912,	AIS36912, N29277,
		AI	AL119836, AW	AW410259, 7	AI886415, AI345677	AI345677,
_		AI			489138, AL	H89138, AL037454, AL042365,
		AI		AL119791, 1	AI670009, AI689614	AI689614,
		Ah		AI801793, 1	AA693314, AW089006	AW089006,
	-	- Ap		AL038778, A	AA579232, AA635382	AA635382,
_		Ak	AW403717, AI		AL046466, AA088789,	AA088789,
		- AJ	AI334930, AI	AI918435, 1	AL039086, AI802240,	AI802240,
		AI	AL047344, AW169784,		AW089275, AI349937,	AI349937,
		LA A	AI638644, AI	AIS60545, 7	AW189301, AI288305,	AI288305,
		A1	AI699823, AI	620284,	AI620284, AI334445, AI866469,	AI866469,
		Ah	AW008353, AL120300, AI678428, AW168875,	120300,	AI678428,	AW168875,
		Al	AI859991, AI582367, AI912434, AW170773	582367,	AI912434,	AW170773,
		[A]	1249877, AI	690813,	AI582926,	AI249877, AI690813, AI582926, E03348, Z82022,
		<u> </u>	89947, AL04	9283, I4	8978, I663	I89947, AL049283, I48978, I66342, AL110159,
		n n	U67958, Y10655, A08916, AF182215, S68736,	55, A089	16, AF1822	15, S68736,
		- A	R034821, A0	8913, AL	049347, AL	AR034821, A08913, AL049347, AL137271, AL080127
		A	L080140, AF	026816, ,	AL137539,	AL080140, AF026816, AL137539, A08910, A08909,
		AI	L117457, AR	011880,	Y11587, EC	AL117457, AR011880, Y11587, E03671, AL080159

	Z97214, AL	Z97214, AL137627, Y14314, I32738, S77771,
	AF113689,	AF113689, I89931, X79812, AF087943, AR029490,
	U75932, AL	U75932, AL080060, I49625, S83440, AL117435,
	AF079765,	AF079765, AL122110, AF069506, AL133075, M92439,
	AF183393,	AF183393, AL050116, AF158248, AL137550,
-	AF100781,	AF100781, AF113019, AL110296, AL137538,
	AF026124,	AF026124, Z37987, AR029580, S61953, AL049466,
·	AF125948,	AF125948, AL137292, I48979, AF078844, AL050277,
	AL133093,	AL133093, AL137554, A07647, AL050146, U80742,
	U49908, A7	U49908, A77033, A77035, I33392, AF061795,
	AL050149,	ALO50149, AF151685, AF177401, ALO50138,
	AL110280,	AL110280, X72889, AF028823, AF118094, AL133640,
	AL137459,	AL137459, AF079763, AL110221, AL133016, A45787,
	AL050393,	E07361, AF094480, AF090900, AL137533,
	AL122121,	AL122121, AF057300, AF057299, AL133560,
	AL133081,	AL133081, AF118092, U86379, AL137711, U87620,
	AL137656,	AL137656, A08912, Y10080, X82434, AF100931,
	A18777, AC	A18777, A07588, AF113699, AJ238278, AF090903,
	AL096744,	AL096744, AF180525, AL133606, A03736, AL137521,
	X63574, A.	X63574, AJ005690, AJ012755, AR038854, AL133637,
	AF113677,	AF113677, AF090943, AR000496, U39656, A08908,
	X84990, AI	X84990, AF017790, M96857, AL137529, I30339,
	I30334, AI	I30334, AL137256, AR068753, AF061573, AL137479,
	S76508, AI	S76508, AL080124, AL137463, AF111112, X63410,
	AL117648,	AL117648, AL122049, Y16645, A65341, AL137478,
	AL110196,	AL110196, AL122050, AF141289, AR059958,
	AL117460,	AL117460, AL133077, AL122093, AL133619,
	AL133565,	AL133565, X98834, AF113691, AF113690, AF017437,
	AF097996,	AF097996, AL133080, AF146568, X93495, AL133049,
	AL137476,	AL137476, A93016, I00734, AL137283, S36676,
	A65340, X8	A65340, X80340, M30514, AF047716, AL049452,
_	AF113676,	AF113676, E00617, E00717, E00778, U68387,
	AL050108,	AL050108, AL080126, U35846, AF008439, I89934,
_	AF113694,	AF113694, X66862, A86558, AF067728, AL080154,
	Z13966, A)	Z13966, AL137648, M86826, AL133568, AL117392,
	AF081197,	AF081197, AF081195, AL122123, U88966, AF091084,

				AF207750, A57389, AL117463, AL049938, Y11254,
				AL137523, AR038969, U90884, E02349, AF106827,
				AF111849, E15324, E07108, AF015958, U78525,
	_			AL133113, AL133072, AL137480, AF102578,
				AF106862, S78214, A58524, A58523, AF003737,
				AL137556, AF175903, AL050024, AL049430, I26207,
				AL117583, X52128, AL117585, AL133557, A93350,
				E01314, I03321, AF090901, A12297, U91329,
				D55641, AF090934, AF118064, I09360, AF118070,
				AL137560, AL122098, AF017152, U00686, AJ003118
1197	HT2SF78	875780	Preferably excluded from the	AI291051, AA169183, W37412, AA081743, AA634346,
			present invention are one or more	W37413, N95342, AA757329, N49251, AI051537,
			polynucleotides comprising a	W25251, AI028044, AI765214, H96923, AA844562,
			nucleotide sequence described by	AW367898, N84978, N46525, AA169311, Z19468,
			the general formula of a-b, where a	AC007671, X77922, L43494, D26360, L32867,
			is any integer between 1 to 1497 of	D45255, U53883, L38677, X84235, AC007544,
	,		SEQ ID NO:1197, b is an integer of	AF088002
_			15 to 1511, where both a and b	
_			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1197, and where b is greater	
			than or equal to a + 14.	
8611	HCRMG60	875781	Preferably excluded from the	AA443447, AW386761
		_	present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 729 of	
			SEQ ID NO:1198, b is an integer of	
			15 to 743, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1198, and where b is greater	
			than or equal to a + 14.	
1199	HCRNC13	875782	Preferably excluded from the	AA514691, AI863374, AA634463, AW015540, Z41103,
			present invention are one or more	AL046561

polynucleotides comprising a
nucleotide sequence described by
the general lormula or a-b, where a jeany integer between 1 to 495 of
SEQ ID NO:1199, b is an integer of
15 to 509, where both a and b
correspond to the positions of
nucleotide residues shown in SEQ ID
NO:1199, and where b is greater
875783 Preferably excluded from the
present invention are one or more
polynucleotides comprising a
nucleotide sequence described by
the general formula of a-b, where a
is any integer between 1 to 252 of
SEQ ID NO:1200, b is an integer of
15 to 266, where both a and b
correspond to the positions of
nucleotide residues shown in SEQ ID
NO:1200, and where b is greater
than or equal to a + 14.
875784 Preferably excluded from the
present invention are one or more
polynucleotides comprising a
nucleotide sequence described by
the general formula of a-b, where a
is any integer between 1 to 380 of
SEQ ID NO:1201, b is an integer of
15 to 394, where both a and b
correspond to the positions of
nucleotide residues shown in SEQ ID
NO:1201, and where b is greater
than or equal to a + 14.
875785 Preferably excluded from the
present invention are one or more

			polynucleotides comprising a			<+>-		
			nucleotide sequence described by					
			the general rormula or a-b, where a					
			is any integer between 1 to 420 of					
			SEQ ID NO:1202, b is an integer of					
			15 to 434, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1202, and where b is greater					
			than or equal to a + 14.					
1203	HCQDE41	875786	Preferably excluded from the	AA454059, N81040	N81040			
			present invention are one or more					
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 411 of					
			SEQ ID NO:1203, b is an integer of					
			15 to 425, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1203, and where b is greater					
			than or equal to a + 14.					
1204	HMKCZ06	875787	Preferably excluded from the	AI732208,	AW007403,	AW007403, AA570148, AI990949	AI990949	
			present invention are one or more	AA974880,	AA502007,	AA502007, AA587096, AI748880	AI748880	
			polynucleotides comprising a	AA918155,	D25690, A	D25690, AW338222, AA916641, AI732207,	1916641,	AI732207,
			nucleotide sequence described by	AI679197,	AA532851,	AI679197, AA532851, AA877116, R55320, AL031587,	R55320,	AL031587,
			the general formula of a-b, where a	AL022322				
			is any integer between 1 to 675 of					
			SEQ ID NO:1204, b is an integer of					
			15 to 689, where both a and b					
			correspond to the positions of					
		_	nucleotide residues shown in SEQ ID					
			NO:1204, and where b is greater					
			than or equal to a + 14.					
1205	HMEGG05	875789	Preferably excluded from the	AA126720,	AA304970,	AA126720, AA304970, AI245437, C05706, AW074185,	C05706,	AW074185,
			present invention are one or more	A1963381,	AI278686,	AI963381, AI278686, AI673497, AI355944	AI355944	۴,

			polynucleotides comprising a	AI254709,	AI556972,	AA861926,	AI254709, AI556972, AA861926, AI696647, R15875,	R15875,
			nucleotide sequence described by	N77782, A.	[583602, A	1424183, AP	N77782, AI583602, AA424183, AA424252, AA860484,	860484,
			the general formula of a-b, where a	AI590425,	AA962253,	AI539094,	AIS90425, AA962253, AIS39094, AA872756, C04708,	C04708,
			is any integer between 1 to 2462 of	H89906, A.	[245750, A]	.015771, AM	H89906, AI245750, AI015771, AW087562, AW179256,	1179256,
		_	SEQ ID NO:1205, b is an integer of	AI857288,	C2059B, AJ	1688200, AI	AI857288, C20598, AA688200, AI866350, AI887115,	887115,
			15 to 2476, where both a and b	AA370173,	AA370173, AA720604, AA599102, AA594409	AA599102,	AA594409,	
			correspond to the positions of	AI351720,	AI351720, AI818385, AI859521, AA360027,	AI859521,	AA360027,	
			nucleotide residues shown in SEQ ID	AI500090,	AI500090, AC006153, AJ250713, T66501	AJ250713,	T66501	
			NO:1205, and where b is greater					
			than or equal to a + 14.					
1206	HNTMD41	875792	Preferably excluded from the	AI689837,	AI689837, AW157773, AW134686, AI986479,	AW134686,	AI986479,	
			present invention are one or more	AI879625,	AW418716,	AA975403,	AI879625, AW418716, AA975403, N90063, AA400229,	400229,
			polynucleotides comprising a	AA554561,	AA554561, AI202416, AI208155, AI269000,	AI208155,	AI269000,	
			nucleotide sequence described by	AA480947,	H05090, AJ	1400228, AV	AA480947, H05090, AA400228, AW137275, AI701698,	701698,
			the general formula of a-b, where a	AW392920				
			is any integer between 1 to 616 of					
			SEQ ID NO:1206, b is an integer of					
			15 to 630, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1206, and where b is greater					
			than or equal to a + 14.					
1207	HCRNJ24	875794	Preferably excluded from the	AA827926,	AA827926, AI860653, AW161711, AI808773,	AW161711,	A1808773,	
_			present invention are one or more	AI636695,	AI636695, AA741501, AA740727, AI889967,	AA740727,	AI889967,	
			polynucleotides comprising a	AW070423,	AW070423, AI075387, AI754281, AI300905	AI754281,	AI300905,	
			nucleotide sequence described by	AI150922,	N62430, A	4142986, AM	AI150922, N62430, AA142986, AW243049, T88858,	38858,
			the general formula of a-b, where a	AW298247,	N67204, A	I866174, A	AW298247, N67204, AI866174, AA150916, AI830959,	1830959,
		•—-	is any integer between 1 to 741 of	AW361300,	AW361300, AA630806, AC006011	AC006011		
			SEQ ID NO:1207, b is an integer of					
			15 to 755, where both a and b					
_			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
	***		NO:1207, and where b is greater					
			than or equal to a + 14.					•
1208	HWABK33	875798	\vdash	AA977204,	AA977204, AA449116, AI377322, AI632071,	AI377322,	AI632071,	
			present invention are one or more	AI743462,	AI700245,	AA613327,	AI743462, AI700245, AA613327, AL135261, N68390,	N68390,

	polynucleotides comprising a	AA236532,	Z39901, A	370677, H	Z39901, AI370677, H17781, T34975,
	nucleotide sequence described by	AA936440,		AI886612,	AI653609,
	the general formula of a-b, where a	AA593199,	AA804236, AI285242, AA805442,	AI285242,	AA805442,
	is any integer between 1 to 586 of	A1686576,	AW263796, AI553645,	AI553645,	AW089275,
	SEQ ID NO:1208, b is an integer of	AI927755,		AI623941,	AI698391,
	15 to 600, where both a and b	AW104724,	AI699865, AA848053,	AA848053,	AW148536,
	correspond to the positions of	AI624548,	AI472536,	AI567582,	AI673363,
	nucleotide residues shown in SEQ ID	AI537837,		AI815232,	AI538564,
	NO:1208, and where b is greater	AI915291,	AW152182,	AA908294,	AI582932,
	than or equal to a + 14.	AI889189,	AI866469,	AI624056,	AI417790,
		AI884318,	AA514684,	AW167146,	W74529, AI624304,
		AI609069,	A1932794,	AL046595,	AI491842,
		AL121328,	AI491805,	AI590423,	AI909661,
-		AI690887,	AI969655,	AI370623,	AW149925,
		AI865906,	AI498067,	AI784233,	AI888746,
		AW078606,	AW162194,	AI624545,	AI635492,
		AI874261,	AI863665,	AW189301,	N33175, AW262491,
		AI886753,	AW169234,	AI798456,	AI690410,
		AI917428,	AW103878,	AW029186,	AI631216,
		AL042382,		AW265004,	AL046944,
		AI499570,	AI742728,	AW118518,	AW162690,
		AI866780,	AI538885,	AI927233,	AI818353,
		AI963846,	AW089405,	AL043975,	AI568138,
		AI590603,	AI564426,	AI870190,	AI802542,
		AI440399,		AI273085,	AI686817,
		AI522052,		AI635032,	AI609409,
		AIS83578,		AW073865,	AI590043,
		AI207656,	AI500061,	AI799313,	AL036673,
		AI469270,		AI225023,	AIS37244,
		AW090768,	AI565128,	AW129722,	AI473536,
		AI499890,	AI002285,	AI819545,	AI469532,
		AIS83065,		AI288305,	AW163834,
		AI345415,		AL079963,	AW044386,
		AI702073,		AI636588,	
		AI812107,		AI913330,	AW169671,
		AI570989,	AI269580,	AI269580, AI538716,	AW090736,

_	AI624938, AI581033, AI978703, AL043355,
	AI805603, AW105087, AI345688, AI613038,
	AIG12852, AI934052, AAG41818, Z98446, AI247193,
	AW198090, AW085373, AW148408, AI613270,
	AL036923, AIS70056, AIS37303, AW264029,
	. AI439762, AI433157, AI610690, AI640873,
	A1890907, A1536685, A1891084, AW078729,
	AI633125, AI670984, AI950729, AW168663,
	AI923989,
	AA911767, AI686808, AI701097, AI432969,
_	AI863321, AI623379, AI559619, AI699823,
	AW193530, AW073270, AI554485, AW079432,
	AW151136, AI682971, AW105412, AI655932,
	ALO45500, AI500588, AI677796, AI250852,
	AI554821, AI538850, AI286256, AI619426,
	A1873644, A1359586, A1863382, AL119791,
	AI817523, AI570807, AI439452, AA602414,
	AI473451, AL138457, AI114703, AA738104,
	AW088698, AW078529, AI609375, AI633061, Z72491,
	AL117435, X70685, X72624, AL023657, AF118090,
	AF090903, I48978, AL137533, A77033, A77035,
_	D83032, AF017437, I89947, AL137292, AL137558,
	AF113690, S36676, X84990, AF032666, AF146568,
	AL096744, AF090900, U75304, I08319, E05822,
	Z37987, A03736, S78214, AL050024, AL133640,
	AF106657, AR038854, AF069506, AF111849, A08913,
	AF081197, AL117460, AJ012755, X65873, AF182215,
	AF113019, AF118094, AL117626, AL117416,
	AL050092, AF067728, AF180525, AL050155, IO9499,
	AL117648, AL049283, AL050172, AL080148,
	AL122121, X98834, AL137530, A08912, AF139986
	AJ005690, A08910, I79595, AF002985, A08909,
	U83980, AL133665, I48979, AL133560, X82434,
_	AF090934, Y16645, A08908, AL122050, AF183393
	I66342, U78525, Y07905, AL080163, AL137479,
_	AL110280, AL137550, U88966, AF100931, X80340

				AF031147, AL133016, X59414, E12747, E01573,
	_			E02319, AF067790, A12297, AF097996, AL049423,
				AF125948, AF061573, A08916, X83508, AF081195,
				A18777, AL122110, I89931, X72889, AL137459,
				U42766, AF139373, A93350, U68387, AF026816,
				I49625, A65341, AJ000937, AR034821, AF017152,
_				AL110222, AF106862, X53587, AF076464, Y11587,
				AL133080, M85164, U96683, AL137529, AF090886,
_				AL110221, E07108, AL117457, AL122118, AF090901,
				AL137294, E06743, I68732, A15345, X81464,
				X87582, A83556, AF087943, AL137271, AL096751,
				AL133031, AF079765, Z97214, AL133558, AL122100,
				AL050149, M92439, D16301, AF113677, I28326,
				AL137478, AC006336, AL137488, AL133113,
	•			AL110218, S76508, I89934, AF028823, I33392,
				Y10080, Z82022, AF153205, AF185614, AL133075,
				AL050116, AF177401, AL133568, AL050138,
	-			AL050393, AL137480, A21101, Y10655, AL110196,
_				AL080159, E02349, AL117649, AF061795, AF151685,
				AJ003118, AF039138, AF039137, U49434, X06146,
				AR011880, AR013797, AR012379, AJ238278, M96857,
				I30339, I30334, AL137256, U31501, S68736,
				AL080129, AL137476, AL137539, S71381, AF078844,
_				AR020905, AF200416, AF111851, A07647, AF185576,
				S77771, AJ006417, AF091084, Y11254, X83544,
				AL133081, AF079763, X52128, AF060866, AF142672,
				AL133557, AB007812, AF061981, AL122093,
				AL133606, I89944, AL133067, AF113689, AL049430,
				AL049382, AL080154, I42402, AL122111, AF210052,
				AL117583, Y14314, AL122045, AF158248, AL117394,
_				AL137705, AL110224, AC004093, AL080118, X61970,
				A08907, AF113694, AF113699, M86826
1209	HCYBC44	875800	Preferably excluded from the	AA305027, AI167228, AI913614, AC021092
_			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	

			the general formula of a-b, where a is any integer between 1 to 769 of con in MO.1300 b is an integer of	
			15 to 783, where both a and b	
			correspond to the positions of	
			NO:1209, and where b is greater	
			than or equal to a + 14.	
1210	HWLQA40	875801	Preferably excluded from the	AI563898, AW072034, AI985652, AW025367,
			present invention are one or more	AA568178, AW262766, R60170, AA946920, AI985700,
			polynucleotides comprising a	AI341944, AI245652, AW149165, AI453178, R40393,
			nucleotide sequence described by	Z39653, F09372, AA594484, T23979, F04421,
			the general formula of a-b, where a	F10466, F02571, R38571, R40082, F01627,
			is any integer between 1 to 561 of	AI978944, AI269816, AIS88858, C00343, AI683935,
			SEQ ID NO:1210, b is an integer of	AB033084, AF019638
			15 to 575, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1210, and where b is greater	
			than or equal to a + 14.	
1211	HWHPI43	875804	Preferably excluded from the	
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 561 of	
			SEQ ID NO:1211, b is an integer of	
			15 to 575, where both a and b	
			correspond to the positions of	
_			nucleotide residues shown in SEQ ID	
			NO:1211, and where b is greater	
			than or equal to a + 14.	
1212	HKCSF43	875805	Preferably excluded from the	AW139161, AI828623, AI675466, AI420850
		_	present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	

			the general formula of a-b, where a				
	,		is any integer between 1 to 509 of				
			SEQ ID NO:1212, b is an integer of				
	•		15 to 523, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1212, and where b is greater				
			than or equal to a + 14.				
1213	HCQAD39	875808	Preferably excluded from the	AI309859,	AI809088,	AI309859, AI809088, AI650556, AI377258,	AI377258,
	,		present invention are one or more	AA629018,	AW206377,		AI400261,
			polynucleotides comprising a	AI014432,	AI014514,	AI143472,	R02586, AI538164,
			nucleotide sequence described by	AW387895,	AW237769,		AA884915,
			the general formula of a-b, where a		AA007677,	AI522203,	AA007677, AI522203, AW382761, X85547,
			is any integer between 1 to 738 of	AL080091			
			SEQ ID NO:1213, b is an integer of				
			15 to 752 where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEO ID				
			No.1213, and where h is greater				
			than or equal to a to 14				
	OU IIVAOI	00000		27.00.07.4		200000	
1214	HCKNLUS	608478	Preferably excluded from the	ALSSYSPB,	A1/699/6,	A1/699/6, AW1/243/,	AA425434,
			present invention are one or more	AA425297,	AA279085,	AA279085, AI147845,	AL119860,
			polynucleotides comprising a	AI382211,		AA287851, AA747806, AA933947,	AA933947,
			nucleotide sequence described by	AA905535,		AW204513, AA235991,	AI222124,
			the general formula of a-b, where a	AA368273,	AA287818,	AA368273, AA287818, AA713651, AA972476,	AA972476,
			is any integer between 1 to 1074 of	AA235795,	AA713778,	AA235795, AA713778, AF117888, AJ001714	AJ001714,
			SEQ ID NO:1214, b is an integer of	AJ001713,	AJ001713, L29148, L29135	29135	
			15 to 1088, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1214, and where b is greater				
			than or equal to a + 14.				
1215	HCRNY14	875810	Preferably excluded from the				
			present invention are one or more				
			polynucleotides comprising a				
			nucleotide sequence described by				

			the general formula of a-b, where a			
			SEQ ID NO:1215, b is an integer of			
			15 to 382, where both a and b			
			correspond to the positions of			
			nucleotide residues shown in SEQ ID			
			NO:1215, and where b is greater			
			than or equal to a + 14.			
1216	HCRQG46	875814	Preferably excluded from the	AW239403, Z9	9396, AW392670, A	Z99396, AW392670, AL119522, AW384394,
			present invention are one or more	AW363220, AL	AW363220, AL119497, AW372827, AL119443	AL119443,
			polynucleotides comprising a	AL036418, AL	AL036418, AL038837, AL119335, AL037051,	AL037051,
			nucleotide sequence described by	AL036725, AA	AL036725, AA631969, AL119319, AL119324,	AL119324,
			the general formula of a-b, where a	AL119457, U4	6341, AL119396, A	AL119457, U46341, AL119396, AL036858, AL119483,
			is any integer between 1 to 811 of	AL119484, AL	AL119484, AL119363, AL119341, AL119391,	AL119391,
			SEQ ID NO:1216, b is an integer of	AL119355, U4	AL119355, U46347, U46350, N71828, U46349,	828, U46349,
			15 to 825, where both a and b	U46351, AL11	9496, AL039074, A	U46351, AL119496, AL039074, AL036924, AL042551,
			correspond to the positions of	AL119418, AL	119444, U46346, A	AL119418, AL119444, U46346, AL119399, AL042614,
			nucleotide residues shown in SEQ ID	AL037205, AL	AL037205, AL119439, AL038509, AL042965,	AL042965,
			NO:1216, and where b is greater	AL042975, AL134524,	134524, AL039564,	AL039564, AL134533,
			than or equal to a + 14.	AL134528, AL	AL037085, AL039085,	U46345, AL039156,
				AL039108, AL	AL039109, AL039128,	AL042450,
				AL042984, AL	AL119488, AL037094,	AL037526,
				AL134527, AL	AL134529, AL134538,	AL036196,
			-	AL036190, AL	AL043003, AL037639,	AL042970,
				AL038520, AL	AL039659, AL042542,	AL036767,
					AL042544, AL037082,	AL043019,
					AL036268, AL039912,	, AL037077,
					AL036238, AL119464,	, AL038851,
				AL036774, AL	AL042909, AL036733,	, AL036998,
				AL037027, AL037178,	037178, AL037615,	, AL036765,
	_			AL036719, AL	AL036679, AL036191,	AL036191, AL036886,
				AL039410, AF	AF105376, AC005411,	AC005411, AF105377,
				AF168992, AC	AC005224, A81671, A	A81671, AR060234, AR066494,
				AC005375, AR023813,		AR064707, AR069079,
				AR054110, AB	AB026436	
1217	HCRQK63	875815	Preferably excluded from the	M59710		

	HWLVS38	875816	present invention are one or more polynuclectides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 503 of SEQ ID NO:1217, b is an integer of 15 to 517, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1217, and where b is greater than or equal to a + 14. Preferably excluded from the polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 760 of SEQ ID NO:1218, b is an integer of 15 to 774, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1218, and where b is greater than or equal to a + 14.	AIG7182, AM235354, AM235354, AM235352, AM235362, AM219443, AM219484, AM119483, AM119391, AM119391, AM119391, AM119391, AM119496,	AI343459, AA648922, AM139217, 299396, AI AL119399, AL017051, AL017094, AL017094, AL019319, AL019319, AL019319, AL018196, AL018196, AL018196, AL018196, AL018196, AL018196,	AIG71182, AI343459, AA071514, AI917350, AA035354, AA648922, AI985626, AA082291, AA913262, AB857422, AW139217, AA341262, AE806239, AA031362, AE80536, AA119457, AL119394, AL036418, AL0384394, AA036858, AL039074, AW363220, AW34394, AL019483, AL039074, AW36320, AW372827, AL119484, AL039084, AL193356, AL119351, AL039186, AL039564, AL039086, AL039186, AL039188, AL039188, AL039188, AL039188, AL039189, AL1193391, AL039196, AL039188, AL1193391, AL039196, AL039188, AL119352, AL038196, AL119396, AL03728531, AL119496, AL037226, AL038531, AL03	ALO39169, AA071514, AI917350, AA648922, AI885626, AA082291, AW139217, AA341262, AI8006335, Z99396, AL119457, AL119324, AW392670, AL019399, AL036418, AL038837, AL037051, AL036728, AW344334, AL037051, AW363220, AW343394, AL037094, U46347, U46351, U46350, AL019319, AL019335, AL039083, AL039085, AL039085, AL039169, AL019363, AL039086, AL039169, AL119344, U46341, AL037656, AL134527, AL039396, AL037555, U46446, AL03831, AL134538,	
·				AL036268, AL038447, AL037615, AL036774, AL036174,	AL037082, AL037077, AL038851, AL036719, AL036191,	AL038520, AL037027, AL036998, AL036765, AL036158,		
1219	HCRNT27	875817	Preferably excluded from the present invention are one or more	AR054110, AL035461	AB026436,	AR069079	707.00.00.00.00.00.00.00.00.00.00.00.00.	

	AC007254		T49153
polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 542 of SEQ ID NO:1219, b is an integer of 15 to 556, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1219, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 134 of 520 ID No:1220, b is an integer of 15 to 148, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID No:1220, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 315 of 150 180 1221, b is an integer of 15 to 329, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1221, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more
	875819	875820	875821
	HCRMT24	HCRNQ33	HWLU071
	1220	1221	1222

Ì				
			polynucleotides comprising a nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 466 of	
			SEQ ID NO:1222, b is an integer of	
			15 to 480, where both a and b	
			correspond to the positions of	
		_	nucleotide residues shown in SEQ ID	
		_	NO:1222, and where b is greater	
		_	than or equal to a + 14.	
1223	HTXRZ02	875822	Preferably excluded from the	AI193178, AI076316, AI470965, AA703140, N34056,
			present invention are one or more	T80181, AI241153, AI952208, R37322, AA385859,
			polynucleotides comprising a	W86007, N46975, AA700249, T48765, T87488,
			nucleotide sequence described by	R97030, AC004150
			the general formula of a-b, where a	
			is any integer between 1 to 1285 of	
			SEQ ID NO:1223, b is an integer of	
			15 to 1299, where both a and b	
_			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1223, and where b is greater	
			than or equal to a + 14.	
1224	HWMB04	875824	Preferably excluded from the	AW027620, AI478256, AA977072, AA479381,
	7		present invention are one or more	AA479885, H39098, AI660057, AI743611, AA724117,
			polynucleotides comprising a	AA894537, H00481, AW304843, T73210, AI953325,
			nucleotide sequence described by	AA102063, AA770698, AA428456, AI370710, R60534,
			the general formula of a-b, where a	C03787, AB020650
			is any integer between 1 to 1048 of	
			SEQ ID NO:1224, b is an integer of	
			15 to 1062, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1224, and where b is greater	
			than or equal to a + 14.	
1225	160000Н	875825	Preferably excluded from the	AL046573
			present invention are one or more	

		polynucleotides comprising a				
		the general formula of a-b, where a				
		is any integer between 1 to 594 of				
		SEQ ID NO:1225, b is an integer of				
		15 to 608, where both a and b				
		correspond to the positions of				
		nucleotide residues shown in SEQ ID				
		NO:1225, and where b is greater				
		than or equal to a + 14.				
HUVGY13	875826	Preferably excluded from the	AA527277, A	W403876,	AW403877,	AA527277, AW403876, AW403877, AA112026, T67786,
		present invention are one or more	A1336206, A	1472267,	T11388, AI	AI336206, AI472267, T11388, AI613487, AI889648,
		polynucleotides comprising a	AI168361, D	25667, AA	.586553, T1	AI168361, D25667, AA586553, T18557, T67710,
		nucleotide sequence described by	AI445768, AI567831, AI744381, AI921692,	1567831,	AI744381,	AI921692,
		the general formula of a-b, where a	AI274006, AI042027, AI240308	1042027,	AI240308	
		is any integer between 1 to 875 of				
		SEQ ID NO:1226, b is an integer of				
		15 to 889, where both a and b				
		correspond to the positions of				
		nucleotide residues shown in SEQ ID				
		NO:1226, and where b is greater				
		than or equal to a + 14.				
HPMFM59	875828	Preferably excluded from the	N29001			
		present invention are one or more				
		polynucleotides comprising a				
		nucleotide sequence described by				
		the general formula of a-b, where a				
		is any integer between 1 to 725 of				
		SEQ ID NO:1227, b is an integer of				
		15 to 739, where both a and b				
		correspond to the positions of				
		nucleotide residues shown in SEQ ID				
		NO:1227, and where b is greater				
		than or equal to a + 14.				
HCROI42	875832	Preferably excluded from the	AI378825, AI299691, AI248716, AI207012,	11299691,	AI248716,	AI207012,
		present invention are one or more	AI025488, AI801275, AW139379, AI075931,	MI801275,	AW139379,	AI075931,

			polynucleotides comprising a	AI129182,	R56213, Al	(868688, AI	AI129182, R56213, AI868688, AI540526, AI352622,	352622,
		_	nucreotide sequence described by	AIBB/B24,	A188/854, ABU14521, AF141684, ACUU4/82	AF141664,	AC004 /82	
		_	the general formula of a-b, where a					
			is any integer between 1 to 477 of					
			SEQ ID NO:1228, b is an integer of					
			15 to 491, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1228, and where b is greater					
			than or equal to a + 14.					
1229	HACBB04	875833	Preferably excluded from the	AI348155,	AI567487,	AA482559, AA426355	AA426355,	
			present invention are one or more	AA482412,	AA482412, AA195102,		N32669, AA722595, AW274254,	274254,
			polynucleotides comprising a	AI859721,	AI859721, AI003615,	AW242302, AI494186	AI494186,	
			nucleotide sequence described by	AI394631,	AI394631, AL043629,	AI824406, AI015872,	AI015872,	
			the general formula of a-b, where a	AI284359,	AI284359, AW139669,	AI942272, AA010713,	AA010713,	
			is any integer between 1 to 1582 of	AI290543,	AI290543, AA496459,	AI364660, AI758530,	AI758530,	
			SEQ ID NO:1229, b is an integer of	AI368521,	AI368521, AI872567, AI423266, AF192529	AI423266,	AF192529	
			15 to 1596, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1229, and where b is greater					
			than or equal to a + 14.					
1230	HMMAC3	875834	Preferably excluded from the					
	4		present invention are one or more					
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 566 of					
			SEQ ID NO:1230, b is an integer of					
			15 to 580, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1230, and where b is greater					
j			than or equal to a + 14.					
1231	HDPFA20	875836	Preferably excluded from the	AI476641,	AI476641, AI800220, AA523781, AA688160,	AA523781,	AA688160,	
			present invention are one or more	AW274475,	AA279690,	AA831827,	AW274475, AA279690, AA831827, AA480351, H23404,	H23404,

4947
AI650736, H21389, AI336480, H21432, AI264947
AI336480,
;, н21389,
A1650736
Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by a fee general formula of a-b, where a is any integer between 1 to 380 of SEQ ID NO:1232, b is an integer of 15 to 394, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID
875837 Preferably excluded from the present invention are one or moy polynucleotides comprising a nucleotide sequence described by the general formula of a-b, when is any integer between 1 to 380 SEQ ID No:1212, b is an integer 15 to 394, where both a and b correspond to the positions of nucleotide residues shown in SE
HTGBQ40
1232

			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 347 of					
			SEQ ID NO:1234, b is an integer of					
			15 to 361, where both a and b					
	_		correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1234, and where b is greater					_
			than or equal to a + 14.					
1235	HWABJ67	875840	Preferably excluded from the	AI743586,	AI743586, AA773043, AI378041,	AI378041,	AI653756,	
			present invention are one or more	AW021263,	AA934444,	AI051436,	AA525488,	
			polynucleotides comprising a	AA515054,	AA737382,	AI561320,	AI566429,	
			nucleotide sequence described by	AI500523,	AI590021,	AW169671,	AI890838,	
			the general formula of a-b, where a	AI619607,	AI890214,	AI312428,	AI499381,	
			is any integer between 1 to 534 of	AI624693,	A1500061,	AI283760,	AI340519,	
			SEQ ID NO:1235, b is an integer of	AI934035,	AI637584,	AW021717,	AI633330,	
			15 to 548, where both a and b	AW198090,	AW087462,	AI684279,	AI493567,	
		_	correspond to the positions of	AI609594,	AW129659,	AI683475,	AI906328,	-
			nucleotide residues shown in SEQ ID	AI539153,	AI673363,	AW081298,	AI889133,	
			NO:1235, and where b is greater	AL039132,	AI963068,	AA928539,	AIB02542,	_
			than or equal to a + 14.	AI251221,	AI571439,	AI670002,	AI591420,	
				AL037454,	AI288285,	AI698391,	AW089840,	
_				AIS60012,	AW169604,	AW089439,	AI564736,	
				AI285448,	AW051212,	AW192652,	AI633125,	
				AI609331,	AI439452,	AI963846,	AW192701,	
				AA470523,			AI686554,	
				AI60912B,	AI915291,		AI610690,	
				AI270183,	AI432656,	AI929108,	AI926790,	
				AI889189,	AA769285,	AW129106,	AI815239,	
				AA768550,	AI758583,	AL036705,	AW163834,	
				AL036780,	AI624548,	AI887308,	AW161098,	
				AI678496,	AL039858,	AI702073,	AI624084,	
			•	AI246905,	AI890223,	AL042365,	AI524671,	
				AL037582,	AL037582, AL036361,	AL037602,	AI345543,	
				AA916372,	AA916372, AI702343,	AIS82932, AL120676	AL120676,	

	AI634224,	AI623941,	A1521560,	AL119863,
	AI932794,	AI525669,	AA420722,	AI690748,
	AL045929,	AI538116,	AL038715,	AI433157,
	AI623799,	AI798456,	AL119748,	AI916419,
	AI813914,	AA938092,	AW080746,	AI286256,
-	AI572021,	AI281762,	AI921464,	AI301710,
	AI950892,	AI619754,	AI812107,	AI799273,
	AI863241,	AI284484,	AI688858,	AI539780,
	AI871923,	AI969655,	AIS70807,	AW169132,
	AW051088,	AI345666,	AW105429,	AA805434,
	AI918435,	AI758694,	AI340603,	A1670009,
	AI923989,	AI619777,		AI570169,
	AIS00588,	AI306705,	AW268122,	AI815232,
	AI525653,	AI923370,		N33175, AW071349,
	AI912356,	AL042745,	AA603930,	AL042544,
	AI925502,	AI241678,	AI702433,	AI348854,
	AI922689,	AW190297,	AA807015,	AL134830,
	AI673422,	AI801325,	AW080090,	AI433590,
	AI619502,	AI648699,	AI859429,	AI270099,
	AI473554,	AW020693,	AI912496,	AI583085,
	AW163823,	AI636588,	AI497733,	AI874166,
	AL045500,	AI538829,	AL119836,	AI610402,
	AI800440,	AI612913,	AI499393,	AI273094,
	AI345415,	AI207656,	AW366372,	AIB66770,
	AL036631,	AI611743,	AIS37677,	AI768496,
	AI473208,			AI471540,
	AI799158,	AL110306,		AL048323,
	AI817545,	AL048340,	AW152182,	AW087445,
	AW148536,	A1499285,	AW168001,	AI624545,
	AW129722,	AA767039,	AW151138,	AL047100,
	AI702068,	AI697137,	AI473536,	W74529, AI815237,
	AI310575,	AW151786,	AW151136,	AW118508,
	AI859464,	AI612107,	AI452707,	AI572787,
	AI340533,			AW152459,
	AW193911,			AI862139,
	AI874261,	AL079741,	AI933589,	R36271, AF116545,

AF116548, AF116547, AF116546, AL133031,
AL137538, AL050116, AF111851, I89947, AF090943,
AR053103, AL137271, AF069506, AL133557, U35846,
AL133080, AL133072, A08910, A08909, I48978,
A77033, A77035, AL078602, AL049382, U42766,
A65341, E02349, X72889, Z82022, A08913,
AL117435, AL122121, M27260, U89295, A58524,
A58523, AL133560, AL035587, AL080159, AF183393,
AL117460, AL133075, AF090903, AL050149,
AF125948, Y07905, AL122110, AC007172, U68387,
AL137550, AF113691, AC002471, AC005374,
AF113690, AF017437, AF067728, AL049283,
AL137459, AF090900, AF106862, S61953, I89931,
AL133558, A08916, Y10655, I49625, U92992,
133392, A21625, AF200464, AL110225, E01573,
E02319, AF100931, AL117457, Y11587, A76335,
AF141289, AL133113, AL050138, AF057300,
AF057299, Z83840, X70685, U73682, AC007458,
X83508, X82434, AF019298, AC006978, S78214,
AL117648, AF091084, AF113019, AF113677,
AF153205, AL110221, AL049452, U91329, AF140224,
AL080124, AF126247, AL050277, A08908, AL137560,
I48979, AF077349, Y13653, AL035458, AF118094,
AF087943, AL133640, AL117585, I03321, AF180525,
U80742, AL137480, E08516, I00734, AL137463,
AJ001388, M19658, A65340, AF118070, AJ242859,
AR059958, AF185614, E00617, E00717, E00778,
AL137479, AL137476, AC004383, AF078844, X87582,
AJ000937, AF106697, AF158248, AL050108,
AL133568, AL133565, AJ005690, AJ012755, M84133,
A26498, AF076464, U67958, AL122093, AF102578,
AL110280, AF118558, AF106827, U00763, AF082526,
Y14314, AF177401, S68736, AL117394, A08912,
AL137521, AF104032, AF026816, AF097996, U83980,
AF079763, X52128, AP000697, AF026124, AL050146,
AL050393, A03736, AL049314, X72624, AL117583,

				M77345, AL137256, AF090896, AJ006417, E05822, AR038854, A21103, AL137283, AF118064, AL049938,
				E03671, AL049430, AR015970, AL137648, X84990,
				AL122098, AF017152, AF047716, AL133016, I09499,
				AF079765, X63574, X98834, AL122123, AR011880,
				AL049423, AF167995, AF119337, AF113694,
				AL049464, AL137557, AC002464, X96540, AR038969,
				AJ238278, AL080139, U37359, AL133014, AF030513,
				A90832, U72620, AF126372, AF003737, X66862,
				Y16645, M30514, AL110296, I17767, AF044221,
				X92070, 237987, AF026008, L31396, AF146568,
				A12297, L31397, AC002480, AF061943, AF113013,
				AF100781, AL133067, AF090934, S63521, AL050024
1236	HCRMY91	875841	Preferably excluded from the	AL134431, AA046904, H05571, R11919, W79925,
			present invention are one or more	R11987, R55079, R84811, R53363, H10691, F11225,
			polynucleotides comprising a	AA354088, R22842, R19546, AI803682, AI198775,
			nucleotide sequence described by	AA452378, AA040404, AI150653, AA307589
			the general formula of a-b, where a	
			is any integer between 1 to 852 of	
			SEQ ID NO:1236, b is an integer of	
			15 to 866, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	77
			NO:1236, and where b is greater	
			than or equal to a + 14.	
1237	HINTRA39	875845	Preferably excluded from the	AI889332, AI628477, AI275204, AI633956,
			present invention are one or more	AW079861, AW118929, AA911538, AI342851,
			polynucleotides comprising a	AW300007, R91897, AI623866, AW204145, L44538,
			nucleotide sequence described by	AA011077, AI648696, AI914833, AI521684, X62311
•			the general formula of a-b, where a	
			is any integer between 1 to 785 of	
			SEQ ID NO:1237, b is an integer of	
			15 to 799, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1237, and where b is greater	

			than or emial to a + 14	
1238	HCRPW33	875846	Preferably excluded from the	AA315737, AA476814
			present invention are one or more	
			polynucleotides comprising a	
_			nucleotide sequence described by	
			is any integer between 1 to 705 of	
			SEO ID NO:1238, b is an integer of	
			15 to 719, where both a and b	
			correspond to the positions of	-
			nucleotide residues shown in SEQ ID	
			NO:1238, and where b is greater	
			than or equal to a + 14.	
1239	HFCF137	875848	Preferably excluded from the	AL120789, AC003007, AC005632
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 325 of	
			SEQ ID NO:1239, b is an integer of	
			15 to 339, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1239, and where b is greater	
			than or equal to a + 14.	
1240	HCQCL72	875849	Preferably excluded from the	AI817147, AA907222, H51868, AA281655, AA361371,
			present invention are one or more	AI301198, AA911728
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 215 of	
			SEQ ID NO:1240, b is an integer of	
			15 to 229, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1240, and where b is greater	

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			chan or equal to a + 14.					1
1241	MCCC109	875850	Preferably excluded from the	AW021240,	AW021240, AA535264, AA149863, AA694163,	AA149863,	AA694163,	
			present invention are one or more	AI422346,	AI422346, AI472109, AI811633, AA931734,	AI811633,	AA931734,	
			polynucleotides comprising a	AI419485,	AI419485, AI302192, AI288249, AA410584,	AI288249,	AA410584,	
		-	nucleotide sequence described by	AI418912,	AI418912, AI049618, AI089786, AA911728,	AI089786,	AA911728,	
			the general formula of a-b, where a	AA149808,	AA149808, AI700267, AI299240, AA501370,	AI299240,	AA501370,	-
			is any integer between 1 to 1061 of	AI814823,	AI814823, AA232714, AI865849, AA232212,	AI865849,	AA232212,	
			SEQ ID NO:1241, b is an integer of	AA825451,	AA825451, AI718827, AI281840, AA932086,	AI281840,	AA932086,	
			15 to 1075, where both a and b	AI283229,	H60430, A	I471234, Ht	H60430, AI471234, H60476, AA631685,	_
			correspond to the positions of	AA576637,	AI301198,	AI301198, AI949336, AA368973	AA368973,	
			nucleotide residues shown in SEQ ID	AA236013,		I860871, A	C01314, AI860871, AA361371, AA281786,	86,
			NO:1241, and where b is greater	AA327052,		AA907222, AI857607, AI817147,	AI817147,	
			than or equal to a + 14.	AA281655,	AA411619,	H51868		
1242	HCRMR12	158518	Preferably excluded from the	AC006512, U47924	U47924		}	
			present invention are one or more					
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 322 of					
			SEQ ID NO:1242, b is an integer of					
			15 to 336, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1242, and where b is greater					
			than or equal to a + 14.					
1243	HCIAE18	875852	Preferably excluded from the	AA524300,	AI732383,	AA570296,	AA524300, AI732383, AA570296, AI732336, AA515389	5389
			present invention are one or more					
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 738 of					
			SEQ ID NO:1243, b is an integer of					
			15 to 752, where both a and b					_
			correspond to the positions of					
_			nucleotide residues shown in SEQ ID					
			NO:1243, and where b is greater					

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			chan or equal to a + 14.					
1244	HHFHU39	875855	Preferably excluded from the	AI271571,	AA452037,	AI271571, AA452037, AI424866, AA423988,	AA423988,	
			present invention are one or more	AA483361,	AI266636,	AA483361, AI266636, AA742931, AI266634,	AI266634,	
			polynuclectides comprising a	AA424028, AA702780	AA702780			_
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 750 of					_
			SEQ ID NO:1244, b is an integer of					-
			15 to 764, where both a and b					_
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1244, and where b is greater					
			than or equal to a + 14.					
1245	HCQAW29	875856	Preferably excluded from the	R33721				
			present invention are one or more					
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 354 of					_
			SEQ ID NO:1245, b is an integer of					
			15 to 368, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1245, and where b is greater					
			than or equal to a + 14.					
1246	HBMDM3	875858	Preferably excluded from the	AA857451, AA857804	AA857804			Γ
	6		present invention are one or more					
			polynucleotides comprising a					
			nucleotide sequence described by					
	_		the general formula of a-b, where a	<u></u>				
			is any integer between 1 to 497 of					
			SEQ ID NO:1246, b is an integer of		•			
			15 to 511, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1246, and where b is greater					_

			than or equal to a + 14.				
1247	HKLSD32	875863	Preferably excluded from the	AA405791,	AA405791, AI524014, AI380383, AW082968,	AI380383,	AW082968,
			present invention are one or more	AW342068,	AW342068, AA911893, AI824001, AI692746,	AI824001,	AI692746,
			polynucleotides comprising a	AI433518,	AI433518, AI949654, AW170143, AI277105,	AW170143,	AI277105,
			nucleotide sequence described by	AI266424,	AI266424, AI272885, AI318386, AI937056,	AI318386,	AI937056,
			the general formula of a-b, where a	AW058565,	AW058565, AW028276, AI075130, AI632588,	AI075130,	AI632588,
			is any integer between 1 to 417 of	AI393303,	W99355, A.	1470310, H	W99355, AI470310, H87135, AI807925,
			SEQ ID NO:1247, b is an integer of	AI027883,	AI695062,	AI695062, AI277524, AI201665,	AI201665,
			15 to 431, where both a and b	AA099404,	AA099404, AI471922, AA384650, AA364750,	AA384650,	AA364750,
			correspond to the positions of	AA099465,	AA099465, AI359471, AI961082, AW338912,	AI961082,	AW338912,
			nucleotide residues shown in SEQ ID	AW302395,	AI702221,	AW059776,	AW302395, AI702221, AW059776, D20616, AF086516,
			NO:1247, and where b is greater	AI653206			
			than or equal to a + 14.				
1248	HYACE34	875864	Preferably excluded from the	AI492300,	AI492300, AA155864, AI336122, AA507001,	AI336122,	AA507001,
			present invention are one or more	AI805390,	AI805390, AA213868, AAS04365, AI805573,	AAS04365,	AI805573,
			polynucleotides comprising a	AI267513,	AA480597,	N28434, A	AI267513, AA480597, N28434, AA829763, H86647,
			nucleotide sequence described by	W99382, R	82575, AA2:	13776, AW4	W99382, R82575, AA213776, AW402251, AI277875,
			the general formula of a-b, where a	AI220789,	AA405669,	AA281807,	AI220789, AA405669, AA281807, AW023046, AA025280
			is any integer between 1 to 2044 of				
		_	SEQ ID NO:1248, b is an integer of				
			15 to 2058, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1248, and where b is greater				
			than or equal to a + 14.				
1249	HNTTC18	875865	Preferably excluded from the	AL041644,	AL041644, AI652238, AI125934, AI972064	AI125934,	AI972064,
			present invention are one or more	AI373883,	AI373883, AA401082, AA403146, AA587259,	AA403146,	AA587259,
			polynucleotides comprising a	AW152027,	AW152027, AA648691, AA632889, AA572909,	AA632889,	AA572909,
			nucleotide sequence described by	AA528434,	T52508, T	04918, T63	AA528434, T52508, T04918, T63002, AI625085,
			the general formula of a-b, where a	AI817337,	AI817337, AA922661, AA091326, M27878	AA091326,	M27878
			is any integer between 1 to 929 of				
			SEQ ID NO:1249, b is an integer of				
			15 to 943, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1249, and where b is greater				

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1360	1170.4.2.4	0,000	The forth to a + 14.	117330 C303CIAR 01371CWA 030170AR 100010AR
1230	H2CAA34	8/2868	Freieraniy excluded from the	AASJSSSI, AAU/108/, AMZ4/SIS, AAIZSSSS, KSS/14,
			present invention are one or more	AA576929, AA307834, AA204972, AA445946, H98812,
			polynucleotides comprising a	AI028402, AA127005, AA223811, AA101503, R72151,
			nucleotide sequence described by	H53723, H06566, H29389, AA182597, AA126153,
			the general formula of a-b, where a	AA232436, AA306744, T35189, AA164773, AI458548,
			is any integer between 1 to 2217 of	T70821, R10266, Z21129, AW386767, AA436573,
			SEQ ID NO:1250, b is an integer of	AI610191, H29413, AA301432, AA724488, AW449887,
			15 to 2231, where both a and b	AI242268, AI525912, AW368592, AW377757,
			correspond to the positions of	AW390796, AA344660, AA307848, AA715437,
			nucleotide residues shown in SEQ ID	AW361336, AI248847, AL040968, AA938368,
			NO:1250, and where b is greater	AW361341, AA676800, AW368596, Z21101, AW451729,
			than or equal to a + 14.	AF191018, Z94761
1251	HWLQA33	875871	Preferably excluded from the	AA436794, R09306, AA384577, AC006211
			present invention are one or more	
			polynuclectides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 398 of	
			SEQ ID NO:1251, b is an integer of	
			15 to 412, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1251, and where b is greater	
			than or equal to a + 14.	
1252	нсост65	875874	Preferably excluded from the	
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 402 of	
			SEQ ID NO:1252, b is an integer of	
			15 to 416, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	-
			NO:1252, and where b is greater	

			than or equal to a + 14.	
1253	HWHP150	875884	Preferably excluded from the	AW026114, AW418826, AW341657, AA910088,
			present invention are one or more	AI860171, AW190146, AI700326, AI089966,
			polynucleotides comprising a	AI670850, H18740, AI093699, AI159857, AA996095,
_			nucleotide sequence described by	AI401266, AI240251, AW242162, AA594503,
			the general formula of a-b, where a	AI056938, AI864216, AA506903, AA426024,
			is any integer between 1 to 2721 of	AA724498, AI263294, T75461, Z43179, AA443290,
			SEQ ID NO:1253, b is an integer of	H25984, AA514196, R61755, AA526102, AA4,76713,
			15 to 2735, where both a and b	F13159, T19223, Z39262, AA705253, AA609888,
			correspond to the positions of	AA659875, F02603, R34659, AA319603, AA759148,
			nucleotide residues shown in SEQ ID	R49189, AI538091, F13136, R61756, R21716,
			NO:1253, and where b is greater	AA300990, F06309, F10761, AI865079, AW337918,
			than or equal to a + 14.	AI889018, AA834239, AA096413, AI242996, F06308.
				H18653, AA774400, R46606, AW382812, N53750,
				AW382785, AL121653, AL121658
1254	HCRQD12	875886	Preferably excluded from the	AI703451
			present invention are one or more	
			polynucleotides comprising a	
_			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 679 of	
			SEQ ID NO:1254, b is an integer of	
			15 to 693, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1254, and where b is greater	
			than or equal to a + 14.	
1255	HNHHM31	875888	Preferably excluded from the	AA644044, AW135276, AA887861, AW137420
			present invention are one or more	
			polynucleotides comprising a	
_			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 448 of	
_			SEQ ID NO:1255, b is an integer of	
			15 to 462, where both a and b	
			correspond to the positions of	

			nucleotide residues shown in SEQ ID	
			No:1255, and where b is greater than or equal to a + 14.	
1256 H	HCROG23	875891	Preferably excluded from the	AI022242, AW410996, AI800815, AI814040,
	,		present invention are one or more	AW264268, AA191425, W72080, W94651, AW015105,
			polynucleotides comprising a	AA443454, AA443318, AW410985, AI597605,
			nucleotide sequence described by	AW273210, AW250450, AW411145, AI190182,
			the general formula of a-b, where a	AA993201, AA403278, AA430513, W94612, W96124,
_			is any integer between 1 to 1023 of	NS4325, AI357461, AA190985, W77863, AA643738,
			SEQ ID NO:1256, b is an integer of	AL120980, AA113214, AA858265, AA993185,
			15 to 1037, where both a and b	AI375010, AI498876, AA829321, AA701490,
			correspond to the positions of	AA132962, AA287691, AI277849, AI301164,
			nucleotide residues shown in SEQ ID	AA251325, AW015857, AA403106, W60258, AA084833,
			NO:1256, and where b is greater	AI253793, AA775859, W05830, AA243176, AI038024,
			than or equal to a + 14.	AA766410, AA805677, AI049993, AA775554,
			•	AI039481, H80596, AA196760, AA430648, AA804241,
				N77873, W96125, R69970, H80623, AI219581,
				H67651, AA190668, C01701, AI352459, AI275174,
				AA732213, AA128877, H30387, N23878, T12121,
				AI015455, H80540, AI220709, H67511, H18761,
				AA485022, AA251518, AA243193, AA505285,
			-	AA779102, H82765, AA570290, H52438, H67114,
				H71899, R69971, H52437, AA187869, AA505681,
				H67510, AA626883, AA232342, H71112, AA995473,
				AA456466, AI142314, H80657, AA454572, AA213633,
				AL119457, AL119399, AL119324, AL042544,
				AL134524, AW392670, AL119484, AL119439,
				AL119443, Z99396, AW372827, AL119391, AW363220,
				AL119319, AL134530, AW384394, AL119522,
				AL134519, U46347, AL119497, U46350, AL119363,
				AL119418, AL134528, AL119483, U46351, AL119355,
		-	-	U46349, U46341, AL119341, AL119335, AL119396,
		_		AL119444, AL119464, AL119496, AL043003,
				AL037205, AL042614, AL119401, U46346, AL134525,
				D21063, D83987, X67334, AF004105, D86725,
				AR060234, AR066494, A81671, AB026436, AR054110,

				02000004	XD042112
	0000 1711			AK069079,	AKU43113
/571	HKLSB39	875894	Preferably excluded from the	AA595346,	AA595346, AA243787, AA024609, AA024578,
			present invention are one or more	AA076356,	AA076356, AA076467, AA760927, AI272832,
			polynucleotides comprising a	AA243135,	AA243135, H17412, F06362, R25565, AI829044,
			nucleotide sequence described by	AA400326,	AA400326, T26645, AA243569, AW020146, AI744718,
			the general formula of a-b, where a	AW384427,	AW384427, AA768909, AA743098, T77293, AA024577,
			is any integer between 1 to 1257 of	AA723998,	AA723998, U35376, D70831, AC002519, AF038179,
			SEQ ID NO:1257, b is an integer of	AA400327	
			15 to 1271, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1257, and where b is greater		
			than or equal to a + 14.		
1258	H2CBN05	875897	Preferably excluded from the	AA307799,	AA307799, AW292094, T70856, AI161296, AA235668,
			present invention are one or more	AW296027,	AW296027, AI699099, AI693823, AI693216,
			polynucleotides comprising a	AI992018,	AI992018, AA115026, AI681528, AA136109,
			nucleotide sequence described by	AA732568,	AA732568, AA776036, AA643914, AA258666,
			the general formula of a-b, where a	AA416754, AI061590	AI061590
			is any integer between 1 to 835 of		
			SEQ ID NO:1258, b is an integer of		
			15 to 849, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
_			NO:1258, and where b is greater		
			than or equal to a + 14.		
1259	HCQDT85	875899	Preferably excluded from the	AI500310, AI672249	AI672249
			present invention are one or more		
			polynucleotides comprising a		
			nucleotide sequence described by		
			the general formula of a-b, where a		
			is any integer between 1 to 608 of		
			SEQ ID NO:1259, b is an integer of		
			15 to 622, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1259, and where b is greater		

			than or equal to a + 14.	
1260	HARAJ31	875900	Preferably excluded from the	AA317663, Z65370
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 457 of	
			SEQ ID NO:1260, b is an integer of	
			15 to 471, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1260, and where b is greater	
			than or equal to a + 14.	
1261	HCRMQ35	875904	Preferably excluded from the	AIS89507, AW009664, AA703098, AI453542,
			present invention are one or more	AA532750, N67298, AI148172, AI095316, AA708739,
			polynucleotides comprising a	AW022231, AI601197, AI457493, AI580184,
			nucleotide sequence described by	AA922944, AI922763, AI023347, AI096333,
			the general formula of a-b, where a	AA633368, AW023348, AA477261, AA693591,
			is any integer between 1 to 633 of	AI870748, AW274004, W78756, AI298179, W78055,
			SEQ ID NO:1261, b is an integer of	AI057523, AI126504, AI248086, AA873476,
			15 to 647, where both a and b	AI679385, AI679894, AI190295, AW073346, N21034,
			correspond to the positions of	AA039311, N22989, AA508686, W80491, W86880,
	_		nucleotide residues shown in SEQ ID	AI361360, AI540214, AA938881, W79149, AW368422,
			NO:1261, and where b is greater	AI432392, AI078371, R61323, AA039411, AA932937,
			than or equal to a + 14.	AA829705, AW073773, AA002095, N67361, H59053,
				AA076438, AA535629, AA912096, W21314, AA610431,
			•	AI936749, T66278, AW405920, F12299, N44193,
				AA508849, AA884012, AA890651, W81519, N93501,
				AA480270, C00277, R38195, AI332894, T16604,
				W21320, R44910, N78644, AI478709, AI125999,
				AIS90819, AA558779, AI300933, AW263399,
				AI085918, AA974965, AI741413, N93508, W81635,
				AW205755, AA991876, AI972554, AA004362,
				AI989930, AI760486, AI491861, AI581783,
				AA991538, AI969278, Z39245, AI650517, AW361735,

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1262	HMI IBG30	875905	Dreferably excluded from the	AAAGGSS,	22459525, 23402831 H93300 W45229 ACODABOE	H93300	WA 5229	2000000	Τ
1202	OCOGOMII		present invention are one or more	ACCOUNT ACCOUN	ALO21116	100000	1677654	, 000 F000 F	
			present invention are one of more	AC00#000	ALUSTITE				
			porynaciaes comprising a						
			nucleotide sequence described by						
			the general formula of a-b, where a						
			is any integer between 1 to 822 of						_
			SEQ ID NO:1262, b is an integer of						
			15 to 836, where both a and b						_
			correspond to the positions of						
			nucleotide residues shown in SEQ ID						_
			NO:1262, and where b is greater						
			than or equal to a + 14.						
1263	HCQAH30	875906	Preferably excluded from the						Γ
			present invention are one or more						
			polynucleotides comprising a						
			nucleotide sequence described by						_
			the general formula of a-b, where a						
			is any integer between 1 to 298 of						_
			SEQ ID NO:1263, b is an integer of						_
			15 to 312, where both a and b						_
			correspond to the positions of						
			nucleotide residues shown in SEQ ID						
			NO:1263, and where b is greater						_
			than or equal to a + 14.						
1264	HWDAH30	875907	Preferably excluded from the	AF161019, AJ131890	AJ131890				
			present invention are one or more						
			polynucleotides comprising a	_					
			nucleotide sequence described by						
			the general formula of a-b, where a						
			is any integer between 1 to 176 of						
			SEQ ID NO:1264, b is an integer of						
		_	15 to 190, where both a and b						
			correspond to the positions of						_
			nucleotide residues shown in SEQ ID						_
			NO:1264, and where b is greater						

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1202	HCCAMSO	806578	Preferably excluded from the	AA431300,	AA431300, AW450428,	Albadoa4,	AL/BBIDU,	
			present invention are one or more	AI123686,	AW242691,		AAB90607,	
			polynucleotides comprising a	AA758061,	AA758061, AA609531,	AI797591, AA723978,	AA723978,	
			nucleotide sequence described by	AA934785, AA431657	AA431657			
			the general formula of a-b, where a					
			is any integer between 1 to 557 of					
			SEQ ID NO:1265, b is an integer of					
			15 to 571, where both a and b					
			correspond to the positions of					•
			nucleotide residues shown in SEQ ID					
	_		NO:1265, and where b is greater					
			than or equal to a + 14.					
1266	HAGEA31	875912	Preferably excluded from the	AA305680,	H64054, A	A159569, A	AA305680, H64054, AA159569, AA378423, AA321559,	,321559,
			present invention are one or more	AA237093, AL117344	AL117344			
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
	_		is any integer between 1 to 1460 of					
			SEQ ID NO:1266, b is an integer of					
			15 to 1474, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1266, and where b is greater					
			than or equal to a + 14.					
1267	HCROZ66	875913	Preferably excluded from the	AI823992,	AW082308,	AI816135,	AIS89007,	
			present invention are one or more	AIS66535,		AW272765, AA766315,	AW242239,	
			polynucleotides comprising a	AA279943,		AI816094, AI014927,	AI038579,	
			nucleotide sequence described by	AA578848,	AI476548,	AA578848, AI476548, AI354483,	AA973322,	
			the general formula of a-b, where a	AA992180,	AI392988,	AA992180, AI392988, AA327978,	AA769228,	
			is any integer between 1 to 1391 of	AA506076,	AI653752,	AA506076, AI653752, AI370562, AA172248,	AA172248,	
			SEQ ID NO:1267, b is an integer of	AA343765,	AI282882,	AA279942,	AA343765, AI282882, AA279942, AA506075, AL137710	AL137710
			15 to 1405, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID	-				
	-		NO:1267, and where b is greater					

			than or equal to a + 14.				
1268	HDPBY50	875914	Preferably excluded from the	AI819116,	AW372211,	AW372198, AI583182	AI583182,
			present invention are one or more	AA176112,	AW134519,	AW134519, AI628367, AI478195	AI478195,
			polynucleotides comprising a	AA143793,	AI394104,	AI697987, AI675294	AI675294,
			nucleotide sequence described by	AW390678,	AI768078,	N24394, AA	N24394, AA101252, AI830602,
			the general formula of a-b, where a	AI628409,	AI438987,	AI810299,	AI438987, AI810299, AA020980, R22198,
			is any integer between 1 to 1439 of	A1890121,	AI671411,	AA733134,	AA733134, H44639, AA581997,
			SEQ ID NO:1268, b is an integer of	AI862828,	AW139467,	AI866902,	AW139467, AI866902, AA857679, H97045,
			15 to 1453, where both a and b	AA465732,	AA340274,	AA340274, AA974904, AA731664	AA731664,
			correspond to the positions of	AA494109,	AI811317,	AI338111,	AI811317, AI338111, R78337, H99145,
			nucleotide residues shown in SEQ ID	AI200103,	AA291168,	AI200103, AA291168, AA731663, AA327229,	AA327229,
			NO:1268, and where b is greater	AW363178,	AA021065,	D79177, R7	AW363178, AA021065, D79177, R77963, R22252,
			than or equal to a + 14.	AI581618,	AA026878,	AA501786,	AI581618, AA026878, AA501786, AA216611, W32118,
				W31626, H	13598, AA14	18177, AA73	W31626, H43598, AA148177, AA730560, AI472513,
				AA465134,	C75353, C	1240, AA97	AA465134, C75353, C01240, AA978055, AW369487,
				AA731711,	AI538764,	AA731711, AI538764, AA731241, AL042191,	AL042191,
				AW193620,	AW025279,	AW193620, AW025279, AI096771, AW243451,	AW243451,
				AW150750,	AW029457,	AW150750, AW029457, AI537187, AI421662,	AI421662,
				AIS71442,	AI571442, AI224373,	AI433611, AI491710	AI491710,
				AI696583,		W45039, A	W45039, AI927233, AI671429,
				AI370623,		AW150214, AI095530,	AI095530,
				AI289791,			AW020455,
				AL045859,	AW168700,		AL040011,
				AI633125,	AW194014,	AI351737,	AI831938,
				AI499325,		AI699020,	AI678446,
				A1468622,		AI886355,	A1952797,
				AI696714,	AI817733,	AI889449,	AI309306,
				AW080157,	AW087837,	AA761557,	AI656270, W38553,
				AW167926,	AI493836,	AW021662,	AW002327,
				AI524139,	AW089844,	AA630788,	AI954721,
	_			AI568293,	AA760851,	AI470717,	AI342210,
				AA954134,	AI445620,	AW163834,	AI613038,
				AI623835,	AW410842,	AW083750,	AW023871,
				AA923096,	AI867017,	AI368579,	F36855, AI886452,
				AI680369,	AI658566,	AI801325,	N22276, F37323,
				AA829775,	AI923989,	AI690813, AI538885,	AI538885,

			AI866469, AL042593, AI648699, AA814517,
			AW193125, AI638644, AI862896, AP000501,
			AL133047, AL080234, AL050116, AL137271,
	_		AB007812, E03348, E03349, AL117587, AC005886,
			AF118094, AF013214, E12747, A65341, AF115392,
			AF047716, AF124728, AL117460, AJ005870, L25851,
			133984, AL133067, AF002672, AR022283, AL137258,
			AL050172, AL137533, AF185614, I89947, AC002287,
			AC004690, AJ005690, AR038854, AR050959,
			AR012379, X93495, AF000167, AC002540, M85164,
_			AL133015, AL137548, A18777, Y14314, AF126372,
			E04233, AF200464, I09499, AL133619, AL133084,
•			122020, AF036941, AR062106, AL023657, AL137641,
			S77771, X84990, AL137711, X72889, AF161418,
			AL137650, AF008439, S59519, AL133016, U37359,
			AL133371, AF054289, AF095901, A41579, AL133665,
			AF100931, X66862, AL137478, AL080159, AF136009,
			AL122100, AF199027, AR034821, S82852, A03736,
			AF102578, Z97214, S65585, A08907, AR020905,
			AR066485, X70514, U96683, S83440, AF032666,
			X00861, AC018767, X61399, AF044323, U36585,
			AL137292, AJ012755, AF182215, AC006013,
			AF098484, AL050024, AB031064, AL133088,
_			AL049423, AR059958, X68560, AF124435, U72620,
			AL117649, X06146, AF090901, AL049276, AL049447,
			AF038847, AF107847, AR029490, E12806, AL137716,
			AL137495, X99971, AF150103
1269 HDTKD18	875915	Preferably excluded from the	AI796221, N64043, AA036820, AW237633, AA485589,
		present invention are one or more	AA036775, AA485425, AI270597, AI242326, AW001030
		polynucleotides comprising a	
		nucleotide sequence described by	
		the general formula of a-b, where a	
		is any integer between 1 to 1339 of	
_		SEQ ID NO:1269, b is an integer of	
		15 to 1353, where both a and b	

			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1269, and where b is greater than or equal to a + 14.	
1270	HHPGT16	875923	Preferably excluded from the	AI307250, AI271439, AI650441, AI017475,
			present invention are one or more	AI251828, AI672237, AI374969, AI350623,
			polynucleotides comprising a	AI334985, AA483351, AA251224, AI146704,
			nucleotide sequence described by	AI000570, AA442545, AA629033, AW002826,
			the general formula of a-b, where a	AA489129, AI491723, AI208598, AI886308,
			is any integer between 1 to 1555 of	AW149502, D45489, AL049146, AI143491, AW020704,
			SEQ ID NO:1270, b is an integer of	AW022820, AW369852, Z43342, AI221861, AA779644,
			15 to 1569, where both a and b	AI221998, AL079690, T18542, AB002371, AL049382,
			correspond to the positions of	AF176816
			nucleotide residues shown in SEQ ID	
			NO:1270, and where b is greater	
			than or equal to a + 14.	•
1271	H2CBF28	875924	Preferably excluded from the	AA461032, AA307375, AF155739
			present invention are one or more	
			nolvnicleotides comprising a	
			midleotide semience described by	
			יימר דבסר בהלתבוורב מבשרד משר	
			the general formula of a-b, where a	
			is any integer between 1 to 559 of	
			SEQ ID NO:1271, b is an integer of	
			15 to 573, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1271, and where b is greater	
			than or equal to a + 14.	
1272	HCQDM28	875925	Preferably excluded from the	N30135, AI767701, AI633623, AI140698, AW269969,
			present invention are one or more	N34283, AA610009, T65377, AA535713, AA135305,
			polynucleotides comprising a	AA904500, AI271558, AW043844, AW168046, R42844,
			nucleotide sequence described by	AA830555, H20852, N51615, AW168340, AA779492,
			the general formula of a-b, where a	D29317, AW149189, T77049, AA910171, AA679759,
			is any integer between 1 to 768 of	AI262864, H22970, H08110, AA136386, R40094,
			SEQ ID NO:1272, b is an integer of	F09407, T15987, T35272, A1470445, H08109,
			15 to 782, where both a and b	AA361165, H20903, R21459, H22760, R14782,

			correspond to the positions of	T65454, F11747, AL117635
			nucleotide residues shown in SEQ ID	-
			NO:1272, and where b is greater	
			than or equal to a + 14.	
1273	HUKF071	875926	Preferably excluded from the	242318
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 280 of	
			SEQ ID NO:1273, b is an integer of	
			15 to 294, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1273, and where b is greater	
			than or equal to a + 14.	
1274	HCQAT28	875927	Preferably excluded from the	AW195495, AI927965, AI660501, AI830732,
			present invention are one or more	AI271628, AI224848, AI271624, AA227881,
			polynucleotides comprising a	AI080263, AI016903,
			nucleotide sequence described by	
			the general formula of a-b, where a	AA193292, AA314587, AJ242739
			is any integer between 1 to 673 of	
			SEQ ID NO:1274, b is an integer of	
			15 to 687, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1274, and where b is greater	
			than or equal to a + 14.	
1275	HCYBC56	875932	Preferably excluded from the	AA305033, AW248879, C17203, AI915163, AI298556,
			present invention are one or more	N73317, AI474187, AI401089, AI634988, AA427374,
		•	polynucleotides comprising a	AI190151, AW043949, AA343654, AI690026, F03312,
			nucleotide sequence described by	AI821377, AI766223, AI948443, AI820529, R42572,
			the general formula of a-b, where a	F03338, AI032325, AW088758, AA621333, AL046205,
			is any integer between 1 to 804 of	AI352330, AA156447, AA261784, T64484, AA663522,
			SEQ ID NO:1275, b is an integer of	AI041540, AI128869, F33912, R38482, N94950,
			15 to 818, where both a and b	AI817198, AA433949, AI223036, AA456954,

	correspond to the positions of	AW134514, AA362770, AI738910, AA931551	38910, AA931551,
	nucleotide residues shown in SEQ ID	4A856757, AW079224, AA8	AA856757, AW079224, AA856766, R99371, AI431703,
	NO:1275, and where b is greater	AW023137, AA525926, AIT	AA525926, AI784057, AA844907,
	than or equal to a + 14.		Z94056, AC007160, AC005874, AF134471,
			AC007263, AC007064, Z97055, AC006480,
•		AC005799, AC005616, AC	AC006088, AC004707,
			AC002375, AC010206, AL024507,
			AC005102, AC004679, AC007376,
		AC004542, AC005011, AC	AC005011, AC005207, AL117338,
			U91318, AC005953, AC005036, AP000111,
			AC005477, AC005228, AL031665,
		AL035414, AC005578, AC	AC005578, AC004791, AP001053,
	-	AC007276, AC004921, AL:	AC004921, AL133289, AC006387,
-			AC004887, AC006582, AB020863,
		AL139054, AC005993, AL	AC005993, AL109837, AL132774,
		AL035686, AP000108, AP(AP000108, AP000040, AC004862, Z98744,
		AC003007, AC007880, Z9	AC007880, Z95126, AC011604, AE000661,
			AL049869, U82670, AC007225,
			AL031681, AC004605, U85196, AC007402,
			AL034420, AC003964, AC007546, 299496,
		AC009946, AC006059, AP	AP000509, AC005145,
		AC004976, AC005095, AC	AC005095, AC002384, AL049743,
			AL078593, AC008115, AL121657,
			AP000240, U80460, AC007773, AC005792,
		AC005482, Z98043, AE00	Z98043, AE000659, AC004817, AL022100,
			Z82245, AC005547, AC004825, AL035608,
		AC003991, AL078475, AC	AL078475, AC004510, AL022727,
		AC012627, AB003151, AC006167, AC005027,	306167, AC005027,
		AB004907, AC005878, AL096711, AC004029,	096711, AC004029,
		AP000511, AF111169, D8	AP000511, AF111169, D84394, AP000688, AC011456,
		U50871, AP000280, AL10	U50871, AP000280, AL109985, AC004838, AL035420,
		AC002390, AC002299, AB023050, AC002992,	023050, AC002992,
	_	AC003037, AP000107, Z9	AC003037, AP000107, Z99715, AC004185, AC006137,
		AP000039, AL109956, AL	AL109956, AL109654, AF015416,
		AC007380, AC006040, AC	AC006040, AC004067, AC006204,
		AL049564, U85198, AC00	AL049564, U85198, AC004859, AC004896, AC006536,

_				AP000131, AP000209, AC002464, AC004700,
				AC003670, AF207955, Z79996, AP000283, AC002289,
				U95740, AC004002, AC006928, AC007058, U52112,
-				AC007240, AC005380, AL121591, AL109938,
				AC005731, AL035069, AP000282, AC004106,
				AC006991, AC004911, AF002993, AP000501, Z69712,
				AF096876, AC002331, AL023805, AC007450,
				AC006048, X96421, AC005483, AP000201, AL034554,
	•			AC005138, AF165142, AP000097, AC007280,
		_		AC004472, AC007024, AC004409, AP000248,
				AP000144, Z92547, AL031053
7H 9/21	HAAACII	875933	Preferably excluded from the	AI539783, AW022097, AA489755, H10506, AA489648,
			present invention are one or more	AC004702
			polynucleotides comprising a	
_			nucleotide sequence described by	
_			the general formula of a-b, where a	
_			is any integer between 1 to 836 of	
			SEQ ID NO:1276, b is an integer of	
_			15 to 850, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
_			NO:1276, and where b is greater	
			than or equal to a + 14.	
1277 H	HNHOI84	875934	Preferably excluded from the	AA417136, H78660, AW292282, AC000378
			present invention are one or more	
_			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
_			is any integer between 1 to 486 of	
			SEQ ID NO:1277, b is an integer of	
			15 to 500, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1277, and where b is greater	
			than or equal to a + 14.	
1278 H	HRABT72	875935	Preferably excluded from the	

			present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 547 of SEQ ID NO:1278, b is an integer of 15 to 561, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1278, and where b is greater than or equal to a + 14.					
1279	HWLEG68	875936	Preferably excluded from the present invention are one or more present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1653 of 5EQ ID NO:1279, b is an integer of 15 to 1667, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1279, and where b is greater than or equal to a + 14.	AW377286, AW363009, AE431674, AE431674, AW375002, AW375002, AW3760001, AM36295334, AM295334, AW191847, AW191847, AW191847, AW376625, AW376625, AW376625,		AW377286, AA877900, AW374882, AW374986, AW363009, AW374838, AI791951, AW374892, AW363018, AW363019, AW374892, AI791951, AW374892, AI791091, AW374892, AI791099, AW374892, AI7910916, AW374993, AW375002, AI821845, AA633302, AW374878, AW376300, AW374215, AI732655, AI573096, AW376394, AA631902, AW3761809, AIR20380, AW452362, AW293665, AA535532, AA605060, AW452362, AW293665, AA58532, AA293334, AI318604, AI78909, AW37635, AM37659, AM376596, AW376696, AW376696, AW376696, AW37665, AW376658, AW376659, AW376656, AW376656, AW376656, AW376616, AW376650, AU458795, AW376616, AW364147	AM877900, AW374882, AW74986, AW374838, AI791951, AW374892, AW374852, AM363038, AW363010, AW374292, AI840416, AW374893, AR374215, AJ732655, AI873096, AAS81944, AW191851, AW451280, AAR27359, ALS80846, AW513096, AW452362, AW293665, AR53532, AM365152, AA376765, AA366856, AM351525, AA377129, AM376582, AW376582, AI708873, AW376658, AW376686, AW376776, AW376658, AW376686, AW376776, AW3291776, AW315651, AW376681, AW376776, AW376658, AM2154661, AW376692, AI458795,	
1280	99AGISH	875937	Preferably excluded from the present invention are one or more polymuclectides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 443 of SEQ ID NO:1280, b is an integer of	A1431674, AW376658, AW452362, AA961152, AI815855, AI866002, AI289937,	AI431674, AW376784, AW376582, AW376558, AW376776, AW451240, AW452362, AW451809, AA535332, AA961152, AI648663, AI284509, AI815855, AI476109, AW150578, AI866002, AI866573, AL041772, AI289937, AI274769, AI865240,	AI431674, AW376784, AW376582, AW376686, AW376658, AW37676, AW451240, AI360701, AW452362, AW452362, AW452362, AW362362, AM3681152, AI648663, AI284509, AL042628, AI815855, AI476109, AW150578, AL042266, AI8666002, AI866573, AL041772, AW084219, AI289937, AI274769, AI863240, AI25066319,	AW376686, AI360701, AW376625, AL042628, AL045219, AW350663,	

	15 to 457, where both a and b	AI364788.	A1433976,	AW051107.	AI620284,	
	correspond to the positions of	AI590120,	AL045500,	AI433157,	AIS60099,	
	nucleotide residues shown in SEQ ID	AI539771,	AI345608,	AI521012,	AIS37677,	_
	NO:1280, and where b is greater	AW083804,	AI521560,	AIS00659,	AI801325,	_
-	than or equal to a + 14.	AI500523,	AI284517,	AIS00706,	AI491776,	
		AI445237,	AW151138,	AI500662,	AI273142,	
		AI633493,	AI434256,	AI284513,	AI888118,	
		AI868831,	AW149227,	AI828731,	AI619716,	·
		AW082040,	AW102785,	AW103893,	AI561299,	~_
		AI608676,	AI886124,	AI554218,	AW079159,	
_		AI269862,	AI612759,	AI867042,	AI888953,	_
		AI280661,	AI537617,	AI919345,	AA427700,	
		AI537515,	AI349598,	AI251830,	AI873644,	-
		AI366549,	AI636719,	AI340582,	AW103371,	
		AL042551,	AI611743,	AI500039,	AW161579,	
		AI955906,	AI872711,	AIS71909,	AI801322,	
		AL043326,	AL040243,	AW162071,	AI284131,	
		AI433037,	AI174394,	AI923768,	AI888661,	_
		AW268220,	AL119863,	AI334450,	AI340603,	_
		AI498579,	AI445165,	AL036759;	AW023590,	_
-		AW302988,	AI687065,	AI446003,	AW074993,	
		AI224992,	AW059837,	AI251205,	AI696626,	_
		AI344935,	AI678762,	AI539153,	AI610645,	
		AL036214,	AI828367,	AW262565,	AI439762,	
		AL120853,	AW087445,	AI499986,	AI633419,	_
		AA225339,	AI538716,	AI689420,	AW301300,	
		AI097248,		AI815232,	AI269696,	
		AW190042,	AL079963,	AI922676,	AI680498,	
		AW071417,	AI963216,	AI348897,	AW082594,	_
		AL119791,	AI922901,	AI282326,	AI888944,	
		AW088134,	AI589993,	AI648684,	AI687465,	
		AW022682,	AW403717,	AW167410,	AW129106,	-
		AI800453,	AI800433,	AI468872,	AI866608,	
		AW238730,		AW088903, AI829327, AW081255,	AW081255,	
		AI308032,		AI889189, AI497733,	AI308035,	
		AI275175,	AW169653,	AL038605,	AA640779,	

	AI921176, AI434223, AI689175, AA470491,	
-	AI343059, AL040241, AA508692, AI292193,	
	AI446373, AL037454, AI349933, N80094, AI349256,	1349256,
	AW196141, AI805638, AI569616, AI824557,	
-	AL121328,	
	AL038779, AI873604, AL036361, AL036403, N33175,	N33175,
	AI336575, AI349645, AW117746, AL110402,	
	AI799199,	
	AW269097, AI926790, AW002342, AW050522,	
	AL038445, AW089179, AI312428, AI554427,	
	AIS64719, AI891157, AI696819, AI281772,	
	AI889376, AI932794, AI857760, AI499463,	
	AI524671, AI608936, AI699011, AW051258,	
	AW085667, AI921248, AI611738, AW102761,	
	AI619502, AI677796, AI632408, AI306613,	
	AI802542, AIS69583, AI952360, AI633125,	
	AI499285, AI886753, AI312152, AI274013,	
	AI564723, AI933589, AW026882, AI627988,	
-	AI783504, AA420758, AI869367, AL036869,	I48979,
	I48978, AB019565, A08916, I89947, A08913	3,
	A08910, AL133016, I89931, I49625, AL110196,	196,
	AL133080, AF106862, AF079765, AL122050,	
	AF113013, AL133560, AF146568, AF090896,	E03348,
	AL049382, AL049314, AR059958, AF113689, Y11587,	Y11587,
	A08909, AF113676, S68736, AL137557, AL133093	33093,
	AL049466, AF113690, E07361, Y16645, X84990,	,066
	AL137527, AL133565, AL080060, AJ242859,	
	AL122121, AF118064, AF118070, AL049430,	
	 AF113699, AL133640, AL080137, AF061943,	
	AL050146, AF091084, AL117583, AL117585,	
	AL122098, AF090903, AL050116, AF177401,	
	AF104032, AL122123, AF090934, A65341, Y11254,	11254,
	S78214, AL110221, AF125949, AL122093, AF078844,	F078844,
	AF113019, AL049300, AF097996, AF111851, Z82022,	Z82022,
	AF183393, AL137538, AL137463, AF090901,	
	AL050393, AR011880, AL133557, AF017152,	

		11734075 AF158248 X93495 1173620 A93016
_		
		AL049464, E02349, AL050277, AL137459, AL117460,
		E07108, AF090900, AL117457, L31396, U42766,
		AL133606, AL137521, L31397, X96540, A58524,
	-	AL049452, A58523, AL137550, U00763, AJ238278,
		AL050108, AL080124, AL117394, X63574, I03321,
		AF017437, AF113677, A77033, A77035, I33392,
		AL137271, AF113691, AL080127, AL050149,
		AF125948, AL117435, X72889, AF090943, AL096744,
_		AL110225, U80742, AL050138, U91329, AL122110,
		AL137283, AL049938, AL137648, A12297, X70685,
_		AL133113, U35846, A03736, X65873, AL080159,
		I42402, AL133072, E15569, A08912, I09360,
		AF087943, AL049283, AL110197, U67958, X98834,
		E08263, E08264, AF067728, AL137523, AR000496,
		U39656, I26207, AL122049, AL133077, AL050172,
		A93350, AJ012755, AL133104, AF111112, A07647,
		AF119337, AL137560, AF003737, AL137556,
		AF153205, Y14314, AL133014, AF000145, AL110280,
		AF026124, AL133568, AF185576, AF026816,
		AF162270, AL117440, AR038854, Z72491, AF106827,
		U96683, AF057300, AF057299, S61953, E04233,
-		L30117, AL117432, AL137476, I17767, AL137273,
		AL122111, Y09972, E02221, AR038969, A90832,
		AL133067, AL137526, A08911, A45787, AL133098,
		AF079763, AL137480, AR013797, I00734, U78525,
		L19437, X87582, E00617, E00717, E00778,
		AC006112, AC004093, X62580, Z37987, AL080074,
		AJ006417, AC004878, M30514, X92070, AL080086,
_		E05822, AF067790, AF095901, AL137478, U68387,
		AL122118, AL050092, E08631, Y07905, U49908,
		U58996, AC006336, AL022147, AF210052, AF111849,
		AL137705, AF132676, AF061836, AL023657,
		AL137533, AL137292, AF008439, AF100931
1281 HWAAD15 875938	38 Preferably excluded from the	AI479334, AW438880, AI969482, AA740980,

			present invention are one or more	AI151466,	AI670122,	AI151466, AI670122, AA877322, N63143, AI422330, AB694463 AB766111 AF277749 DOUGE AI633803	N63143,	N63143, AI422330,
			nucleotide sequence described by	AA910174,	AA910174, AW002649, AF102851	AF102851	,	
			the general formula of a-b, where a	•				
			is any integer between 1 to 709 of					
			SEQ ID NO:1281, b is an integer of					
			15 to 723, where both a and b					
			correspond to the positions of	_				
		_	nucleotide residues shown in SEQ ID					
			NO:1281, and where b is greater					
			than or equal to a + 14.					
1282	HUFFD27	875939	Preferably excluded from the	T81216				
			present invention are one or more					
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 317 of					
		_	SEQ ID NO:1282, b is an integer of					
			15 to 331, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1282, and where b is greater					
			than or equal to a + 14.					
1283	HWLMZ30	875940	Preferably excluded from the	AW295800,	AW449384,	AW295800, AW449384, AI341114, AA886955	AA88695	2
		_	present invention are one or more					
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 333 of					
			SEQ ID NO:1283, b is an integer of					
			15 to 347, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1283, and where b is greater					
			than or equal to a + 14.					
1284	H2LAJ89	875941	Preferably excluded from the	AA314048,	D80168, D	AA314048, D80168, D59695, D80949, D52291,	949, D52	291,

		present invention are one or more	C14298, D51079, C14227, AW360780, C14407,
		polynucleotides comprising a	D81111, D80064, D80290, D59927, D59627, D80227,
		nucleotide sequence described by	D59502, D59859, D80269, D80195, D51799, D58283,
		the general formula of a-b, where a	D80166, C14331, C15076, D59467, D51423, D59619,
		is any integer between 1 to 904 of	D80210, D80391, D80164, D59275, D80240, D80253,
		SEQ ID NO:1284, b is an integer of	D80193, D81030, D80043, C14389, AW352172,
_		15 to 918, where both a and b	D80212, D80022, D57483, D80038, D80378, D80196,
•		correspond to the positions of	D80188, D80219, D50995, D59787, AW377661,
		nucleotide residues shown in SEQ ID	D59889, D59610, D50979, D80366, D80045, D80024,
		NO:1284, and where b is greater	D80241, AA305409, F13647, AI557751, T11417,
		than or equal to a + 14.	C06015, Z21582, D58101, C75259, D51060, C14014,
			D80258, D59503, AA514188, D51022, AA305578,
			D58246, D51213, D45273, T03048, AW377669,
			AI557774, D80248, D80014, D80228, T02974,
			C16955, D59484, D52059, D81026, AA514186,
			C05695, AI535686, D80268, Z33452, D80302,
			AA514184, D80439, D80522, D80133, D80251,
			D80247, T03116, AI535961, H67854, H67866,
-			AA027769, D51103, AI525216, AI525528, D51053,
			T02868, AI525969, C03092, D59373, AA809122,
			N66429, D51759, C14973, D59551, D31458, C14344,
			D59317, D80157, C04682, D51221, D59474, Z30160,
			AIS25238, D59653, C14046, C13958, H67858,
_			AI525242, AI525222, C14957, D60010, AI525923,
			D45260, AI525920, AA305720, AF048722, AB006320,
			AF048720, AF048721, AJ222971, AF048724, U69961,
			U70132, AB006321, AF048723, U80010, AF039832,
			U80036, AJ222972, U80011, AF076640, AF077092,
			AF155206, AF217647, AF063935, AB010386, I82448,
			A84916, AJ132110, A62300, A62298, AR016808,
			AR018138, AF058696, I82446, U37689, X64588,
			AR008278, AB028859, I81198, AB019242, A47134,
	_		A82595, AR060385, I14842, AB002449, I79511,
			AR054175, AR008277, AR008281
1285 HSPBY20	875942	Preferably excluded from the	AW237287, AW363468, AW363480, AW363473,
j		present invention are one or more	AW363477, AA121686, AW363466, W72522, AI828975,

			polynucleotides comprising a	AI559999. AI804778. AI674566. AI129403.
			nucleotide sequence described by	AA533052, AA527974, AI363501, AA143578, W51847,
			the general formula of a-b, where a	AW300353, AI831152, AA143579, AI741918,
			is any integer between 1 to 3197 of	AA039996, W51848, W76081, AW117710, AI168002,
			SEQ ID NO:1285, b is an integer of	AA311143, AA441903, N31268, AI884441, AI632722,
			15 to 3211, where both a and b	AI869640, AA811715, AA505929, AW304874,
	_	_	correspond to the positions of	AA847969, N59481, AA559159, AI695051, AA112361,
		_	nucleotide residues shown in SEQ ID	AA558272, AA000001, AI720005, AI039160,
		_	NO:1285, and where b is greater	AA039941, AI342286, AI497588, T06998, AA631737,
		_	than or equal to a + 14.	AI571810, W80521, AA861746, AI985608, W80522,
				AI869233, AA902266, AA358008, AI301584,
				AA988922, AA706417, AW363471, AI460367, W81055,
			•	Z44588, AI276195, AA995745, AA370238, AI471184,
				AI358624, W93499, AA731776, AA225687, Z25022,
				R93719, Z33579, R93772, N22881, AA813411,
				R96999, T34389, AA442009, AW363465, AI707586,
				AA992785, AA329788, AW363476, T63311, C03451,
				AA527798, AW293240, AW363475, AW196088, TS9616,
				C00776, T59728, Z28725, R96942, AI401471,
				AI985365, AA090503, H89254, AA091375, N76452,
				AA084311, AL121286, AA416534, AA635126, H25949,
				AA247310, N72061, N76425, T10848, AI868319,
				U95742, AC007216, AC007226
1286	HE2DS24	875946	Preferably excluded from the	AI436213, AI376989, AW272461, W67633, AW103191,
			present invention are one or more	AI460071, AI339966, AA309909, AI382859, AL035070
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 776 of	
			SEQ ID NO:1286, b is an integer of	
			15 to 790, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1286, and where b is greater	
			than or equal to a + 14.	
1287	HSLF026	875950	875950 Preferably excluded from the	AA353689

present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 377 of sex ID NO:1287, b is an integer of 15 to 391, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1287, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more problem in the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 378 of SEQ ID NO:1288, b is an integer of correspond to the positions of correspond to the positions of the nucleotide residues shown in SEQ ID NO:1288, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 115 of SC ID NO:1289, b is an integer of 15 to 129, where both a and b correspond to the positions of correspond to the positions of NO:1289, and where b is greater than or equal to a + 14.
present invention are one or more ploynucleotides comprising a nucleotide sequence described by the general formula of a-b, where is any integer between 1 to 377 of 500 ID 1287, b is an integer of 500 ID, where both a and b correspond to the positions of nucleotide residues shown in SEQ nucleotide residues shown in SEQ than or equal to a + 14.	preferably excluded from the present invention are one or mor polynucleotides comprising a nucleotide sequence described by the general formula of a-b, wher is any integer between 1 to 378 SEQ ID NO:1288, b is an integer 15 to 392, where both a and b correspond to the positions of nucleotide residues shown in SEQ NO:1288, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or mor polynucleotides comprising a nucleotide sequence described by the general formula of a-b, wher is any integer between 1 to 115 SEQ ID NO:1289, b is an integer 15 to 129, where both a and b correspond to the positions of nucleotide residues shown in SEQ NO:1289, and where b is greater than or equal to a + 14.
	875951	875952
	нсодан22	ннеук87
	1288	1289

			present invention are one or more	A COLAEN	1193424	14251321	AA2515	N34107 AB193424 AB251321 AB251589 AB278204	
			polynucleotides comprising a	AA287679, AA286744, AA494343, AA732455,	AA286744,	AA49434	13, AA73	12455,	
			nucleotide sequence described by	AA740478, AA812121, AA814394, AA830316,	AA812121,	, AA81439	34, AA83	10316,	
-			the general formula of a-b, where a	AA877099,	C04694, 1	AA397959,	AA4356	AA877099, C04694, AA397959, AA435871, AA437027,	_
			is any integer between 1 to 430 of	AA442854, AA449086, AA449518, AA431365,	AA449086,	. AA44951	18, AA43	1365,	
			SEQ ID NO:1290, b is an integer of	AA732757,	AA757686, AA759030, AI074034,	, AA75903	30, AIO7	74034,	
			15 to 444, where both a and b	AI082779,	225143,	228808, A	AI341874	AI082779, Z25143, Z28808, AI341874, AI141529,	
			correspond to the positions of	AI143886,	AI143886, AI149785, AI290312	, AI29031	12		_
			nucleotide residues shown in SEQ ID						
			NO:1290, and where b is greater						
			than or equal to a + 14.						
1291	нсортоз	875955	Preferably excluded from the	AI681892,	AA861619	, AI69305	51, AAO(AI681892, AA861619, AI693051, AA009602, R67318,	<u>``</u>
			present invention are one or more	AC004908, AC000386	AC000386				
			polynucleotides comprising a						
			nucleotide sequence described by						
			the general formula of a-b, where a						
			is any integer between 1 to 659 of						_
			SEQ ID NO:1291, b is an integer of						_
			15 to 673, where both a and b	_					_
			correspond to the positions of						
			nucleotide residues shown in SEQ ID						_
			NO:1291, and where b is greater						
			than or equal to a + 14.						_
1292	HACB144	496548	Preferably excluded from the						
			present invention are one or more						
			polynucleotides comprising a						
			nucleotide sequence described by						
			the general formula of a-b, where a						
			is any integer between 1 to 358 of						
			SEQ ID NO:1292, b is an integer of						
			15 to 372, where both a and b						
_			correspond to the positions of						
_			nucleotide residues shown in SEQ ID						
			NO:1292, and where b is greater						
			than or equal to a + 14.						
1293	HHEWX30	875971	Preferably excluded from the	AW177053,	AW177053, T85527, H66913, H53191, N78201,	Н66913, 1	н53191,	N78201,	

AI005521, AI810382, AI659500, W92352, AI933284,	Preferably excluded from the	875976	HWLCA48	1296
	than or equal to a + 14.			
	NO:1295, and where b is greater			
	nucleotide residues shown in SEQ ID			
	correspond to the positions of			
	15 to 450, where both a and b			
	SEQ ID NO:1295, b is an integer of			
	is any integer between 1 to 436 of			
	the general formula of a-b, where a			
	nucleotide sequence described by			
	polynucleotides comprising a			
	present invention are one or more			
AC005007	Preferably excluded from the	875974	HE8NK61	1295
	than or equal to a + 14.			
	NO:1294, and where b is greater			
	nucleotide residues shown in SEQ ID			
	correspond to the positions of			
	15 to 474, where both a and b			
	SEQ ID NO:1294, b is an integer of			
	is any integer between 1 to 460 of			
	the general formula of a-b, where a			
	nucleotide sequence described by			
	polynucleotides comprising a			
	present invention are one or more			
H81368, R11282, T98326, AC006077	Preferably excluded from the	875972	HCQCL24	1294
	than or equal to a + 14.			
	NO:1293, and where b is greater			
	nucleotide residues shown in SEQ ID			
	correspond to the positions of			
	15 to 1204, where both a and b			
	SEQ ID NO:1293, b is an integer of			
	is any integer between 1 to 1190 of			
	the general formula of a-b, where a			
	nucleotide sequence described by			
	polynucleotides comprising a			
AW377523, AA234861, H51769, AA007382, AI783820	present invention are one or more			

		present invention are one or more	A812596	AA812596 ATANARA DW197587 DW192260	
		polynucleotides comprising a	A1949417.	AI949417, W92316, AA722528, AI499349, AW300547,	00547
		nucleotide sequence described by	AW025996,	AW025996, AW172287, AW117376, AA194825,	
		the general formula of a-b, where a	AI148427,	AI148427, AW292395, AA903846, AI018563,	
		is any integer between 1 to 379 of	AI493973,	AI493973, AI082262, AI344368, AI765916,	
		SEQ ID NO:1296, b is an integer of	AA879432,	AA961861, AW236495, AA912973,	
_		15 to 393, where both a and b	AI597682,	AA459703, AI207327, N30720, AA936502,	16502,
		correspond to the positions of	AI709271,	AA877895, AA687402, AI420803,	
		nucleotide residues shown in SEQ ID	AA687115,	AA504275, AI749696, AI472028,	
		NO:1296, and where b is greater	AA149279,	AA149279, AI383228, AI242850, N79884, AA149265,	19265,
		than or equal to a + 14.	AI352279,	AI352279, AI363025, AA576875, AA809139,	
			AI246634,	AI246634, AI439699, AI143444, AI918503,	
			AI768616,	AI768616, AI970288, AA411377, N62978, AW351635,	1635,
			AW177011,	AW177011, AW167933, AI380451, AA836154,	
			AW274680,	AW274680, W39570, AW170172, AA689438, AA406308,	16308,
			AA535797,	AA535797, AI283454, N30079, AL119324, AL119457,	19457,
			AW392670,	Z99396, AW372827, AL119363, AW384394,	34394,
			AL119319,	AL042544, AW363220, AL119497,	
			AL119391,	AL119484, AL119522, U46351, AL119355,	19355,
			AL119496,	AL119496, AL119443, AL119418, AL119399,	
			AL119341,	AL119341, AL119483, U46341, AL119396, U46349,	349,
			U46350, U	U46350, U46347, ALO37205, AL119335, AL119401,	401,
			AL119439,	AL119439, AL119444, AL134531, AL134525,	
			AL134536,	AL134536, U46346, AI142131, AL042614, AL042965,	12965,
			AL042984,	AL042984, AL134538, AL043019, AL042975,	
			AL134902,	AL134902, AI142132, AL043029, U46345, AL039851,	39851,
			AL042542,	AL042542, AL042450, AL042551, AL043003,	
			AL119464,	AL119464, AF126743, AR066494, AR060234, A81671,	81671,
			AB026436,	AB026436, AR054110, AR069079	
HUCOR05	875982	Preferably excluded from the	AI888086,	AI888086, AI962990, AI983535, AI597764, W60854,	60854,
		present invention are one or more	AI368836,	AI368836, AI808836, R49083, D60229, AI039175,	175,
		polynucleotides comprising a	R69837, R	R69837, R69838, AI277306, AA489467, AI498566,	266,
		nucleotide sequence described by	H28639, A	H28639, AA165333, C14571, AA094632, AA918475,	475,
		the general formula of a-b, where a	AL096773		
		is any integer between 1 to 613 of			
		SEQ ID NO:1297, b is an integer of			

			15 to 627, where both a and b	
			nucleotide residues shown in SEQ ID	
			NO:1297, and where b is greater	
			than or equal to a + 14.	
1298	HWAIC77	875983	Preferably excluded from the	
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 367 of	
			SEQ ID NO:1298, b is an integer of	
			15 to 381, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1298, and where b is greater	
			than or equal to a + 14.	
1299	HWMBG8	875984	Preferably excluded from the	AI472111, AI288509, AA453203, AA454170
	0		present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 495 of	
			SEQ ID NO:1299, b is an integer of	
			15 to 509, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1299, and where b is greater	
			than or equal to a + 14.	
1300	HTXFU22	875989	Preferably excluded from the	AA226318, AI734064, AI732089
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 438 of	
			SEQ ID NO:1300, b is an integer of	

	A1491942	Z43549, N39489, AC004789, AC005222	AA486226, AI590941, AA157504, AC004503, AC005006, AC005962
15 to 452, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1300, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 525 of SEQ. In No:1301, b is an integer of 15 to 539, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID No:1301, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynuclectides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 418 of SEQ ID NO:1302, b is an integer of 15 to 432, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1302, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 407 of SEO ID NO:1303, b is an integer of
	875990	875991	875994
	нсороч в	HDP0Z22	HWLQA90
	1301	1302	1303

			15 to 421, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1303, and where b is greater				
			than or equal to a + 14.				
1304	HATBS19	875995	Preferably excluded from the	AA129774,	N45232, AJ	4478926, AI	AA129774, N45232, AA478926, AW173347, AW390310,
			present invention are one or more	AI803946,		AI471990, AI480219, AA928879,	AA928879,
			polynucleotides comprising a	AA478806,	AI802226,	AI802226, AI683194, AI356830,	AI356830,
			nucleotide sequence described by	AI400467,		AI421708, AW341836, AW136439	AW136439,
			the general formula of a-b, where a	AI928546,		AI937609, AI559183, AW316851	AW316851,
			is any integer between 1 to 801 of	AI457809,		AI420660, AA886493, AI915161,	A1915161,
			SEQ ID NO:1304, b is an integer of	AW339403, D12201	D12201	•	
			15 to 815, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO.1304 and where his greater				
			ייייייי איייייי איייייי אייייייי איייייי				
			than or equal to a + 14.				
1305	HHSFJ11	875996	Preferably excluded from the	AI017418,	AI817785,	AI017418, AI817785, AA455094, AC005799	AC005799
			present invention are one or more				
_			polynucleotides comprising a				
			nicleotide semience described by				
			ייתריבסריתה פכלתפוורה תפפרדותם חל				
			the general formula of a-b, where a				
			is any integer between 1 to 515 of				
			SEQ ID NO:1305, b is an integer of				
			15 to 529, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1305, and where b is greater				
			than or equal to a + 14.				
1306	HCYBA19	875998	Preferably excluded from the	AA308922,	T84214, Z	AA308922, T84214, Z43709, R05654	654
_			present invention are one or more				
_			polynucleotides comprising a				
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 907 of				
			SEQ ID NO:1306, b is an integer of				

			1 5 - 1 4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		
			Is to 321, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1306, and where b is greater		
			than or equal to a + 14.		
1307	HAPQW21	875999	Preferably excluded from the	AI816929, AA743053, AA767907, AI494624,	AI494624,
			present invention are one or more	AA932213, AI830745, AA837394, AI962187,	AI962187,
_			polynucleotides comprising a		AW207508,
			nucleotide sequence described by	AI889250,	H62091, AI873713, AI652649,
			the general formula of a-b. where a	AA412301.	AW245619.
			is any integer between 1 to 788 of	AI208488.	A1933125, AA912107.
		-	SEO ID NO:1307, b is an integer of	AA470031.	AW080557. AW367956.
			15 to 802, where both a and b	AI611226	
			correspond to the positions of		
			nucleotide residues shown in SEO ID		
			NO:130/, and where b is greater		
			than or equal to a + 14.		
1308	HCRND16	100918	Preferably excluded from the	R86881, AA344692	
			present invention are one or more		
			polynucleotides comprising a		
			nucleotide sequence described by		
			the general formula of a-b where a		
			to any integer between a to accept		
			TR WILL THE THE THE TEN 303 OF		
			SEQ ID NO:1308, b is an integer of		
			15 to 379, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1308, and where b is greater		
			than or equal to a + 14.		
1309	HSPME68	876006	Preferably excluded from the	AI831502, AW135590, R80329, AI453275, H03544,	I453275, H03544,
			present invention are one or more	AI867183, AA598849, H44114, AI864755, H92020,	I864755, H92020,
			polynucleotides comprising a	AA483703, H03459, AI973227, R28250, R80223,	28250, R80223,
			nucleotide sequence described by	R27989, H92021, R93832, Z38639, AI807377.	9. AI807377.
			the general formula of a-b, where a	AW103726, AI343038, AW148303, AW302662,	AW302662,
			is any integer between 1 to 1430 of	AI336506, AI254251, AW303238, AW268290	AW268290.
			SEO ID NO:1309. b is an integer of	AI318301, AI363741, AI344795, MW411215	2W411235
				A C C C C C C C C C C C C C C C C C C C	

			15 to 1444 where both a and h	AW148382 AW151098 AT206899 AW118417	
			correspond to the positions of	AA644481, Y11254, A91160, A76335, AL122098,	198,
			nucleotide residues shown in SEQ ID	AR068753, AR068751	
			NO:1309, and where b is greater		
			than or equal to a + 14.		
1310	HCRMC21	876007	Preferably excluded from the		
			present invention are one or more		
			polynucleotides comprising a		
			nucleotide sequence described by		_
			the general formula of a-b, where a		
			is any integer between 1 to 339 of		
			SEQ ID NO:1310, b is an integer of		
			15 to 353, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1310, and where b is greater		
			than or equal to a + 14.		
1311	HLWCB78	876008	Preferably excluded from the	H39742, R28582, AA384999, R58373	
_			present invention are one or more		
			polynucleotides comprising a		
			nucleotide sequence described by		
			the general formula of a-b, where a		
			is any integer between 1 to 913 of		
			SEQ ID NO:1311, b is an integer of		
			15 to 927, where both a and b		_
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1311, and where b is greater		
			than or equal to a + 14.		
1312	HWLME80	876011	Preferably excluded from the		
			present invention are one or more		•
			polynucleotides comprising a		
			nucleotide sequence described by		
_			the general formula of a-b, where a		
			is any integer between 1 to 490 of		
			SEQ ID NO:1312, b is an integer of		

	AI768516, AI082809, AI804454, AW173368, AA905101, AI080483, N38942, N29489, AI500550, AA99475, AI001079, AA707368, AA593145, AA569473, AW386118, N63226, AA614464, N46512, AW272021, AI828244, AL133605	W02575, AA304931, D58283, D80188, D51423, D57483, D59859, D80044, D80166, D80253, D80169, D80169, D80169, D80169, D80169, D80169, D80169, D80169, D80195, D80199, D80191, D59275, D50919, D80022, D80164, D80195, D80199, D80186, D59899, C14389, D80164, D80186, D5997, D59610, D80269, D80024, D80038, D5467, D80193, D50995, AA306409, C15076, D80178, C14429, D80241, C75259, T03269, D80134, D51022, AM179328, AM177440, D51250, AA305278, D80024, D8052, F13647, D80949, D80248, D52291, D80251, AM36951, D59695, D80184, D80522, P13647, D80949, D80248, D52291, D80251, AM177511, C14227, Z21582, D80133, AA514186, D80064, C14298, AM360811, A1905856, C14407, AM377511, C14227, AM375611, AM375612, AM37611, AM376111, AM376111, AM376111, AM376111, AM376111, AM376111, AM376111, AM376111, AM376111, AM37611, AM376111, AM3761111, AM376111, AM3761111, AM3761111, AM3761111, AM3761111, AM3761111, AM376111, AM3761111, AM3761111, AM3761111, AM3761111, AM3761111, AM3761111, AM37611111, AM37611111, AM3761111, AM37611111, AM3761111, AM37611111, AM37611111, AM37611111, AM376111111, AM376111111111111111111111111111111111111
15 to 504, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID W0:1312, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynuclectides comprising a polynuclectide sequence described by the general formula of a-b, where a is any integer between 1 to 850 of 550 ID NO:1313, b is an integer of 15 to 864, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1313, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more present invention are one or more polynucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 855 of 850 ID NO:1314, b is an integer of 15 to 869, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1314, and where b is greater than or equal to a + 14.
	876012	876013
	HKTAB46	H2CB120
	1313	1314

	AW179023,	AW179023, AW377676, AW178905, AW178754,
	AW179024,	AW179024, D51097, AA285331, D80439, AW360834,
	AW360841,	AW360841, AW352172, AI557751, AW179020, D80302,
	AW352170,	AW352170, AW178909, AW177456, AW178906,
	AW177731,	D80247, AW178907, AW179019, AW179018,
_	AW178971,	AW178971, AW179017, AW179004, AW179329,
	AW352174,	AW352174, AW179012, AW178980, AW177733,
	, AW378528,	AW378528, AW178908, AW179220, T11417, D51759,
	D80157, A	D80157, AW179009, AW178914, AW378543, AW378525,
	D51103, D	D51103, D80014, AW367967, AW178983, T03116,
	AW352120,	AW352120, AW177728, AW178774, AW178781,
	AW178911,	AW178911, AW352163, D58246, AW378539, T48593,
	D58101, D	D58101, D59503, C06015, AI557774, D45260,
	g 289627, g	DS9627, D80258, AA809122, D50981, H67854,
	A1525917,	AI525917, T02974, AW378533, AW367950, AW178986,
	A1525923,	AI525923, C03092, AI525235, H67866, AW177734,
	D51213, C	D51213, C14957, D59474, AI525912, C14344,
	AA514184,	AA514184, D59317, D51221, Z30160, AW179013,
	D45273, C	D45273, C14973, AI525920, AI525227, AI535686,
	A1525242,	AI525242, T03048, AW178759, C14046, D59551,
	C16955, A	C16955, AI535961, H67858, AI525215, AW378542,
	AI525925,	AI525925, Z33452, AI525237, A62298, AJ132110,
_	A84916, A	A84916, A62300, AR018138, AR008278, X67155,
	Y17188, D	Y17188, D26022, A25909, A67220, D89785, A78862,
	D34614, D	D34614, D88547, AF058696, X82626, AB028859,
	AR025207,	AR025207, Y12724, AB012117, A82595, X68127,
	AR016808,	AR016808, A94995, A85396, AR066482, AB002449,
	A44171, A	A44171, AR008443, AR060385, A85477, I19525,
	A86792, U	A86792, U87250, X93549, IS0126, IS0132, IS0128,
	IS0133, A	IS0133, AR066488, AR016514, AR060138, A45456,
	A26615, A	A26615, AR052274, Y09669, A43192, A43190,
	AR038669,	AR038669, AR066487, AR066490, A30438, I18367,
	D88507, I	D88507, I14842, AR054175, AF135125, AR008277,
	AR008281,	, D50010, Y17187, A63261, AR008408,
	AR062872,	AR062872, A70867, AR016691, AR016690, U46128,
_	AB033111,	AB033111, D13509, I79511, A64136, A68321,

				AR060133, AR064240, U87247, AB023656, AF123263,
				X93535, AR008382
5151	HWBDR92	876018	Preferably excluded from the	AW024416, AW238938, AW361813, AI421202,
			present invention are one or more	A1434791, A1309982, A1769534, A1378930,
			polynucleotides comprising a	AI393963, AI492647, AA953114, AI380180,
			nucleotide sequence described by	AI769524, AI420285, AI805717, AI077552,
			the general formula of a-b, where a	AI678958, N26060, N40424, AI190662, AI613423,
			is any integer between 1 to 1818 of	AA976041, AA581509, AA776498, AI268866,
			SEQ ID NO:1315, b is an integer of	AI291641, AI289100, AA186514, AI208759,
			15 to 1832, where both a and b	AA278467, AA665834, AI341899, AA315414, W07679,
			correspond to the positions of	H23150, A1671697, AA315695, A1961637, AA989174,
			nucleotide residues shown in SEQ ID	AI613432, AA235080, AI127470, AA603717, R80986,
			NO:1315, and where b is greater	H09069, AI085843, AA993834, AA235209, AI160297,
			than or equal to a + 14.	N80556, AA421270, AA187209, AI205566, AW277106,
				H59979, W39334, AA045407, T75129, AA503424,
				W52459, F10405, AA421317, AA723427, AW189559,
				W52458, AA045301, AA256210, AA503121, H09070,
				AI862840, AA921301, AI819232, AA303086, H81373,
				H23151, W15379, AI003129, H57853, H80453,
				AA587453, F12797, AA811971, AA379841, R80786,
				AA737085, AW029021, R38552, T48991, AA565741,
				AA503131, AA256353, F17470, AI424220, AI431521,
				T48990, AI381715, AL038986, R20931, AI424511,
				AW361749, AA835425, AI569722, AW337583,
				AA558437, AA373318, AW269615, D20475, AW016289,
				AW014562, AI795986, AI066579, AA057708, T25034,
				R54035, AA626100, AI801600, T84464, AA745560,
				AA745431, AA076616, AF151801, AL050215,
				AC004983, D89937, AC004967
1316	HWMB192	876019	Preferably excluded from the	
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 642 of	
_			SEQ ID NO:1316, b is an integer of	

			15 to CEChere both a and h			
			correspond to the positions of			
			nucleotide residues shown in SEQ ID			
			NO:1316, and where b is greater			
			than or equal to a + 14.			
1317	HWMFU50	876021	Preferably excluded from the	AI110856,	AI110856, AA143745, AI693023, AA151633,	
			present invention are one or more	AA761698,	AA761698, AL121337, AI298472, AI018193,	
			polynucleotides comprising a	AW372477,	AW372477, AA491188, AW131073, AA505133,	
			nucleotide sequence described by	AA599482,	AA599482, AI143548, AA430400, AA151685,	-
			the general formula of a-b, where a	AA825984,	AA825984, AW366355, AI383751, AA613495,	
			is any integer between 1 to 2506 of	AA252073,	AA252073, AI076636, H81681, H66674, AA779949,	1949,
			SEQ ID NO:1317, b is an integer of	AA885895,	AA885895, AA298085, AI383750, W05653, AA148124,	.48124,
			15 to 2520, where both a and b	AI074739,	AI074739, AI687281, H11552, AW451697, AI150645,	.50645,
			correspond to the positions of	AA041459,	AA041459, AI208735, H81680, AA620485, AA112748,	.12748,
			nucleotide residues shown in SEQ ID	AA976412,	AA976412, H00961, T31804, AA357205, AA041512,	.512,
			NO:1317, and where b is greater	AA678631,	AA678631, R67964, N76147, AI468649, H11443,	ω,
			than or equal to a + 14.	H00962, A	H00962, AI383531, Z45863, AA360936, F04726,	. 9
				AW074481,	AW074481, AA872316, AI024087, AA309629, R66877,	166877,
				AI702342,	AI702342, AA653426, AA732728, AA252105,	
				AA490992,	AA490992, AA770121, N87414, AA356722, AW027385,	27385,
			•	AI434752,	AI434752, R58494, AI275780, AA090352, AI370532,	170532,
				AW390733,	AA879149, AI923615, Z21234, Z21233,	1233,
				AF090915		
1318	НСОСМ19	876022	Preferably excluded from the	AA715374,	AA715374, Z25205, AI202201	
			present invention are one or more			
			polynucleotides comprising a			
			nucleotide sequence described by			
			the general formula of a-b, where a			
			is any integer between 1 to 568 of			
			SEQ ID NO:1318, b is an integer of			
			15 to 582, where both a and b			-
			correspond to the positions of			
			nucleotide residues shown in SEQ ID			
			NO:1318, and where b is greater			
			than or equal to a + 14.			_
1319	HBWCF70	876023	Preferably excluded from the	AI219865,	AI219865, AW294721, AA431535, AW451194,	

			present invention are one or more	AA307304,	AA917679,	AA307304, AA917679, N72093, H19317, AA868722,	
			nucleotide sequence described by	AA584601,	AA431211,	AA584601, AA431211, M97501, X64838	
			the general formula of a-b, where a				_
	-		is any integer between 1 to 1085 of				_
			SEQ ID NO:1319, b is an integer of				
			15 to 1099, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				_
			NO:1319, and where b is greater				
			than or equal to a + 14.				
1320	HCRON30	876024	Preferably excluded from the				_
			present invention are one or more				_
			polynucleotides comprising a				_
			nucleotide sequence described by				_
	_	_	the general formula of a-b, where a				_
	_		is any integer between 1 to 708 of				
			SEQ ID NO:1320, b is an integer of				
			15 to 722, where both a and b				
			correspond to the positions of				_
			nucleotide residues shown in SEQ ID				
			NO:1320, and where b is greater				_
			than or equal to a + 14.				_
1321	HCNAK16	876025	Preferably excluded from the	AA327228			
			present invention are one or more				_
			polynucleotides comprising a				_
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 241 of				_
			SEQ ID NO:1321, b is an integer of				
			15 to 255, where both a and b				_
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1321, and where b is greater				_
			than or equal to a + 14.				
1322	HCQDG19	876026	Preferably excluded from the	AI635818, AC007630	AC007630		

polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between I to 232 of SEQ ID NO:1322, b is an integer of 15 to 246, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1322, and where b is greater than or equal to a + 14		Preferably excluded from the present invention are one or more present invention are one or more present invention are one or more nucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 352 of SEQ ID NO:1324, b is an integer of 15 to 366, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1324, and where b is greater than or equal to a + 14.
	876027	876028
	нсдарів	HCQAS16
	1323	1324

			present invention are one or more	AF045459,	AC003669,	AF012104,	AF045459, AC003669, AF012104, U88091, U08341,	
			polymeracornes compilating a	ARU42423, ARU44113	AR044113			
			the general formula of a-b. where a					
			is any integer between 1 to 417 of					
			SEQ ID NO:1325, b is an integer of					_
			15 to 431, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1325, and where b is greater					
			than or equal to a + 14.					
1326	HILBF13	876030	Preferably excluded from the	AA313226,	AA352231,	AA729004,	AA313226, AA352231, AA729004, H63236, AI174489,	Г
			present invention are one or more	AA493814,	AA847341,	AA502774,	AA493814, AA847341, AA502774, AI884404, R95751,	
			polynucleotides comprising a	AA832104,	AA126969,	AA126969, AA368329,	N21434, AI567676,	_
			nucleotide sequence described by	AI002863,	AA991640,	AI002863, AA991640, AA602715,	AA368659,	
			the general formula of a-b, where a	AI003620,	AA219166,	AA219166, AA659011,	AA420424,	
			is any integer between 1 to 410 of	AA749196,		AA309287, AI124558,	AA143703, H79323,	
			SEQ ID NO:1326, b is an integer of	AI802268,	AA831913,	AA730795,	AA598579,	
			15 to 424, where both a and b	AA832108,		AI791227, AA365628,	AA196994,	
			correspond to the positions of	AA598605,	AA595508,	AI732911,	N27340, N53783,	_
			nucleotide residues shown in SEQ ID	AA455202,	AI734193,	AA482682,	AA525156,	_
			NO:1326, and where b is greater	AA218874,	AA598497,	AA643768,	AW083966,	_
			than or equal to a + 14.	AA351893,	AA668421,	AA581317,	N55076, AI376687,	
				AW069273,	AA825954,	AA229370,	AI538404, M77964,	
_				AA315052,	AI049999,	AP000553,	Z68756, AB023049,	-
				AP000512,		AL079342, AC005305, AF075069	AF075069,	
				AD000092,		AL008731, AC007993, AL008628,	AL008628,	
			_	AL035587,	AC005089,	AC005089, AC008372, AL133163	AL133163,	
				AC005913,		C007537, AJ	U95742, AC007537, AL031721, AC009516,	
				AL035420,		AC003071, AC000052, AL133246,	AL133246,	
				AF053356,		AC005722, AB003151, AC006930,	AC006930,	_
_				AP000099,		AC000025, AC007193, AC006273,	AC006273,	
				AC005527,	AB023051,	AC004099,	AP000688,	
				AP000036,	AC005747,	AC006511,	AC004150, U78027,	_
				AL034553,	AC003047,	AL034553, AC003047, AC004997, AC004475,	AC004475,	_
				AC005519,	AL009181,	AC005519, AL009181, AP000046, AP000114,	AP000114,	_

		ADD000833, APD000077, U91326, Z73417, AC002395, AL034379, AL132712, AC005859, Z95116, AP003528, AL002431, AC005859, Z95116, AP003528, AP0000203, AC005412, AC002991, AL035445, AP0000203, AC005911, AC005991, AL035445, AC005041, AC005971, AC006812, Z84474, AC004511, AC005041, AC005071, AC004812, Z81474, AC004531, AC004073, U93305, AC004211, AC005776, AC004073, U93305, AC007011, U85195, Z98946, AC004073, AC005759, AL136168, U63721, AC005768, AC007207, AC005295, AL136168, AC0012996, AC007207, AC005071, AL136168, AC001291, AC005091, AC006006, AC006006, AC004072, AL13321, AC004227, AC006006, AC004227, AC006006, AC004227, AC006006, AC004227, AC006006, AC004221, AP0000555, AC007666, AC006006, AC004221, AC004261, AL13321, AC007666, AC006006, AC004261, U51317, Z98949, AC004682, AC004405, AF129756, AC004682, AC004405, AF129756,
876034 Preferably excluded from the present invention are one or polynucleotides comprising a	more	AA280322, AC006153
nucleotide sequence described	te described by	

			the general formula of ath where a	
			is any integer between 1 to 301 of	
			SEO ID NO:1327. b is an integer of	
			15 to 315, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1327, and where b is greater	
			than or equal to a + 14.	
1328	HEMGF10	876039	Preferably excluded from the	AL045532, AI672339, AI916546, AI674054,
			present invention are one or more	AA922064, AW022969, AI539447, AI338659,
			polynucleotides comprising a	AI038295, AI809635, AI569951, AI015944,
			nucleotide sequence described by	AA236487, AA917051, W72067, AI522144, AW340476,
			the general formula of a-b, where a	AW001031, AI042560, AW272351, AW291220,
			is any integer between 1 to 1853 of	AA496094, AI808121, AA453459, AA216783, N90068,
			SEQ ID NO:1328, b is an integer of	W38469, AA002033, AA482997, AA234484, F12296,
			15 to 1867, where both a and b	T66274, Z24870, W76350, F09922, T95502,
			correspond to the positions of	AI128578, T66187, T95501, Z28614, AA453960,
			nucleotide residues shown in SEQ ID	R16316, T58251, T88786, AI272000, AA001829,
			NO:1328, and where b is greater	AI654859, AI624582, AI334322, T58298, AI376307,
			than or equal to a + 14.	U85995, U85994, AF095771, U87408, AF095770,
			1	U85997, AC006195, AF095769
1329	HCQDG10	876044	Preferably excluded from the	AA425162, AA454628
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 523 of	
			SEQ ID NO:1329, b is an integer of	
			15 to 537, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1329, and where b is greater	
			than or equal to a + 14.	
1330	H2CBS17	876045	Preferably excluded from the	AA313483, AI092587, W07818, N79448, AA773593,
			present invention are one or more	R53234, R94785, R24805, H10024, AA229847,
			polynucleotides comprising a	R94705, AA430523, AI435476, AW001866, AI565825,

			nucleotide sequence described by	AA430608,	N71537, A	1760594, A	AA430608, N71537, AI760594, AI911011, AI732273,	732273,
			the general formula of a-b, where a	A1440283,	AI131012,	AA582791,	A1440283, AI131012, AA582791, AI038591, N52904,	N52904,
			is any integer between 1 to 1337 of	AI144119,	AA643763,	AI561115,	AI144119, AA643763, AI561115, N78511, AA011130,	,0111130,
			SEQ ID NO:1330, b is an integer of	AI668849,	AI676028,	AI371354,	AI668849, AI676028, AI371354, AA009702, N73670,	N73670,
			15 to 1351, where both a and b	AW369840,	R53598, A	4584483, A	AW369840, R53598, AA584483, AL044698, R48261,	8261,
_			correspond to the positions of	W63583, A	4493983, A	4968449, A	W63583, AA493983, AA968449, AC005332, AC004876,	004876,
		_	nucleotide residues shown in SEQ ID	AC005771,	AC005771, AC004616, AP000038, AC005184,	AP000038,	AC005184,	
			NO:1330, and where b is greater	AL139165,	AC004098,	J03764, A	AL139165, AC004098, J03764, AF019664, AC004874,	004874,
	-	_	than or equal to a + 14.	AL033525,	AL033525, AC009498, AP000280, AC005704	AP000280,	AC005704,	
	-	_		AL035427,	AL035427, AP000107, AC005060, AC005922,	AC005060,	AC005922,	
		_		AL035633,	AL035633, AC007628,	AC005011,	AC005011, AL078638,	
		_		AF042484,	AC007676,		AC008071, AC007198,	
				AC000120,	AP000140,		Z93931, AL031655, AP000088,	,000008
_				AL031123,	AC006996,		Z75957, AL034555, AC004055,	3004055,
		_		AC006354,		AP000103,	AP000103, AF001548,	
	-			AF049895,		AL022068,	AL022068, AB013139,	
_		_		AL034425,	AC002546,	AF069291,	AC004929,	
				AC007262,	AC002115,	AL020989,	AL031055,	
_				AL021877,	AC004703,	AC004664,	AL021977,	
_				AC002480,	AC002480, AL035691, AL035072,	AL035072,	AC004100,	
				AC006370,	AC006370, AC006013, AP000033, AC005562,	AP000033,	AC005562,	
_				AC007312,	AL031737,	AC005406,	AC007312, AL031737, AC005406, AC005919,	Z96074,
				U95743				
1331	HETJT76	876048	Preferably excluded from the	AI799695,	AI799695, AI343330, AI498160, AI885048,	AI498160,	AI885048,	
			present invention are one or more	AW372347,	AW372347, AW372353, AI361693, AW372342,	AI361693,	AW372342,	
			polynucleotides comprising a	AI290222,	AA833641,	H23783, W	AI290222, AA833641, H23783, W73966, AI077502,	7502,
			nucleotide sequence described by	AW242637,	AA514487,	AA975211,	AW242637, AA514487, AA975211, AI569053, W79847,	W79847,
	.,		the general formula of a-b, where a	AI869527,	AA832078,	N55405, A	AI869527, AA832078, N55405, AA126154, AA313196,	1313196,
			is any integer between 1 to 1217 of	AIS60671,	H49102, A	W236097, A	AIS60671, H49102, AW236097, AI742230, AA126132,	1126132,
			SEQ ID NO:1331, b is an integer of	H49333, A	I732692, A	W172617, A	H49333, AI732692, AW172617, AA199707, AI280378,	1280378,
	,		15 to 1231, where both a and b	W79860, W	74521, AA2	79226, AI6	W79860, W74521, AA279226, AI650312, AC005352,	5352,
			correspond to the positions of	AL117338, AF088062	AF088062			
			nucleotide residues shown in SEQ ID					
			NO:1331, and where b is greater					
			than or equal to a + 14.		i			
1332	HMVBD68		876052 Preferably excluded from the	AW083378,	AW083378, AA057509, AI679190, AA574451,	AI679190,	AA574451,	

	present invention are one or more	AA599718, AA054285, AA706513, AI707934,
	polynucleotides comprising a	AW023524, AA199863, R66161, AA862725, R84843,
	nucleotide sequence described by	R85715, H86142, AL038837, H86028, AL039074,
	the general formula of a-b, where a	AL039564, AL039108, AL039156, AL039085,
	is any integer between 1 to 1266 of	AL039659, AL039625, AL039648, AL039678,
	SEQ ID NO:1332, b is an integer of	AL039150, AA059178, AL037051, AL036725,
	15 to 1280, where both a and b	AL039629, H00069, AL039109, AL038531, AL039128,
	correspond to the positions of	AL040992, AL045337, AL037726, AL042909,
	nucleotide residues shown in SEQ ID	AL039423, AA013394, AL039410, AL134524,
	NO:1332, and where b is greater	AL039538, AL044530, AL045353, AL036973,
	than or equal to a + 14.	AL044407, AL038821, AL039386, AL036418,
		AL039924, AL037526, AL043441, AL043445,
		AL037082, AL036196, AL037639, AL039566, H39007,
		299396, AL043422, AL039509, T24119, AL038851,
		T24112, AL038025, AL045341, AL036767, AI535983,
		T23947, D51250, AL036117, AL045794, AW013814,
_		AL043423, AL036924, AL037615, AW452756,
		AL036190, AW451070, AL036238, AL037085,
		AI142134, AL036679, AI535783, AL036733, T23659,
_		AL038983, AL036858, AL134110, AL038447,
		AL037021, R47228, AL036998, AL045328, D80253,
		AL037727, AL037054, AL036191, AL036964, H00072,
		AL045327, AL047163, AL042898, AL036268, T02921,
		DS9275, AL036765, AL037077, AA631969, AL039643,
, .		AL039432, AL119483, AL049018, T48598, D80219,
		AL038838, D59787, AL037343, AL037295, AL044125,
_		AL037436, AA514190, AL037178, AL037335,
		AL037323, AW080777, AL119484, AL041347,
		AL037027, AW022897, AL038651, AI547295,
		AL036999, AW450376, AL038761, AL037443,
		AI348766, AL038532, Z25783, AL036719, AW103927,
-		AL037094, T11051, AL042850, AA478355, AI700109,
		AL038822, AI267269, AL037435, AA548890,
		AA702729, AI334443, AL040193, AA191659,
		AA410788, AL119324, AA577824, AA630672,
		AA526787, AI056177, D29033, T28100, AA493975,

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_	AAS/91/9, AIZZ3604, ALO40161, ALO44162,
	AL047012, AA483929, Z25782, AA834707, AW148507,
	AA456578, AL046549, T07039, H66681, AI254913,
	AL041238, AL043496, AL043923, X95073, AF118808,
	D14548, AR056494, AR017907, Z96142, AR038286,
	X68127, I92483, AR062871, I03665, I03664,
	A15078, E00523, A67220, X73004, A95051, A58522,
	AR036905, A92133, A97211, A58521, A02712,
	A85396, AJ244003, AJ244004, AR062872,
	AJ244005, I06859, AR062873, A18050, A84772,
	A35536, A35537, A23334, A75888, I70384, I18371,
	A20702, A60111, A23633, AR043601, AR025207,
	AR007512, A18053, A84776, A84773, A84775,
	A02135, A02136, A04663, A04664, A84774, A43189,
	I66495, AR031374, A43188, AR067731, A38214,
	A49700, AR031375, A20700, 166494, A64081,
	ARO08430, ARO67732, A44171, IS6772, I95540,
	AR018924, I60241, I60242, A51047, A63064,
	AR018923, A48774, A98767, A63072, A48775,
	AR068507, I66498, I66497, I66496, AR068506,
	100074, 166486, 166487, 119516, A58524,
	AR015960, A91750, AR064707, A93963, A93964,
-	AR000007, AR015961, I63120, A95052, AR020969,
	A25909, AR043602, AR043603, A95117, A58523,
	A23998, AF156296, AR037157, A11245, V00745,
	A02710, E12615, AR035193, A86792, E13740,
	AR054109, A07700, AR00006, A13392, A13393,
	AR036903, D28584, U87250, AR027100, I03343,
	I28266, AF156294, AB2653, AR022240, Y11923,
_	A81878, I21869, I13349, A24783, A24782, E14304,
	AJ230933, A70040, B16636, I19517, I01992,
	A27396, D88984, A76773, A22413, I08051, Y11926,
	A49045, A93016, E16678, I25027, I26929, I44515,
	126928, 126930, 126927, A58525, 125041, 168636,
	E03165, E16590, I00077, S70644, I49890,
	AF096810, AF156303, AR064706, 144516, AF019720,

				A60957, Y11449, A51384, X58217, AR038762,
				A92636, I84553, A91754, I84554, E02221, E01614,
				E13364, I00079, A60968, A18722, AF156304,
				D34614, A58526, A91753, AR023813, AB012117,
				A10361, AR035975, AR035977, AR035978, AR035974,
				AR035976, AF130655, AR066482, M32676, A60985,
				A60990, Z79475, A60987, Y17188, AC004935,
				X15418, S65373, AC004111, AJ238010, AC002431,
				AC004851, AC010722, AC006582, AC004797,
				AC005373, AP000512, AL121603, AL049430,
				AC005291, AC007191, U50871, AC004213, AL049631,
				AC002059, AC002480, U95739, AP000132, AP000210,
				U91318, AC005332, AL034395, AL031281, AC009784,
				AP001172, 295116, E04616, AL035413, M21251,
				AC006999, AC006211, AC004466, AL080317,
				AC002395, AC005914, AC000026
1333	HWLQD17	876056	Preferably excluded from the	
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 114 of	
			SEQ ID NO:1333, b is an integer of	
			15 to 128, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1333, and where b is greater	
			than or equal to a + 14.	
1334	HCRME16	876057	Preferably excluded from the	AA826803
_			present invention are one or more	
_			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 424 of	
			SEQ ID NO:1334, b is an integer of	
			15 to 438, where both a and b	

	۱		
		correspond to the positions of nucleotide residues shown in SEQ ID	
		NO:1334, and where b is greater	
HCQCI16	876059	Preferably excluded from the	
		present invention are one or more	
		polynucleotides comprising a	
		nucleotide sequence described by	
		the general formula of a-b, where a	-
		is any integer between 1 to 336 of	
		SEQ ID NO:1335, b is an integer of	
		15 to 350, where both a and b	
		correspond to the positions of	
		nucleotide residues shown in SEQ ID	
		NO:1335, and where b is greater	
		than or equal to a + 14.	
HKLAB15	876062	Preferably excluded from the	T70859, AI991425, T96900, AL137658, AC005343
		present invention are one or more	
		polynucleotides comprising a	
		nucleotide sequence described by	
		the general formula of a-b, where a	
		is any integer between 1 to 476 of	
		SEQ ID NO:1336, b is an integer of	
		15 to 490, where both a and b	
		correspond to the positions of	
		nucleotide residues shown in SEQ ID	
		NO:1336, and where b is greater	
		than or equal to a + 14.	
нсувн57	876065	Preferably excluded from the	AA306889, AA305320, AA508639, N49791, H90350,
		present invention are one or more	AW016011, AW377205
		polynucleotides comprising a	
_		nucleotide sequence described by	
		the general formula of a-b, where a	
		is any integer between 1 to 734 of	
_		SEQ ID NO:1337, b is an integer of	
		15 to 748, where both a and b	

			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1337, and where b is greater					
			than or equal to a + 14.					
1338	нсормов	876070	Preferably excluded from the	AW384125,	AA496504,	AI610340,	AA248671,	
			present invention are one or more	AA130789,	AA180915,	AA478370,	AI733781,	298485,
			polynucleotides comprising a	AI796704,	AL044742,	AL048069,	AA626025,	
			nucleotide sequence described by	AL048572,	AL047765,	AL039283,	AIS57485,	
			the general formula of a-b, where a	AL048501,	AI546967,	AI546957,	AA516161,	
			is any integer between 1 to 98 of	AI924321,	AA887171,	AI132973,	AA420684,	
			SEQ ID NO:1338, b is an integer of	AI133122,	AA654779,	AA654118,	AA194612,	
			15 to 112, where both a and b	AA532618,	AI132978,	A1133640,	AI114783,	
_			correspond to the positions of	AI064749,	AI064986,	AI133242,	AI065142,	
			nucleotide residues shown in SEQ ID	AI133340,	AI114709,	AI110634,	AI065125,	
			NO:1338, and where b is greater	AI065095,	AI133581,	AI133663,	AI110590,	
			than or equal to a + 14.	AI133479,	AI065101,	AI114457, AI133604,	AI133604',	
				AI207634,	AI525970,	AI133582, AI114582	AI114582,	
				AI174912,	AI114665,	AI133512, AA081070	AA081070,	
				AA578984,	AIS57069,	C17847, A	C17847, AI174878, C18490,	18490,
				AI133723,	AI133615,	AI133526, AA089877,	AA089877,	
				AI525469,	AA225945,		AIS57701,	
				AA112129,	AA213849,		AA195856,	
				AA182920,	AA165635,	AI208489,	AA662114,	
				AA244064,	AA088806,		AA228826, AA652493,	
				AA622823,	AI979027,	AL049144, AA225205,	AA225205,	
				AI244851,		AI827423, AA132431,	AA410765,	
				AA176509,		AA089690, AA828070,	AA640731,	
				AA641599,	AI749067,	AI749067, AA569303, AA502464,	AAS02464,	
				AW385506,	AA663702,	AA663702, AA229378, AA876457,	AA876457,	
				AA467990,		AA084304, AA229146, AA837558	AA837558,	
		_		AW371147,		C18623, AA858353, AA188095, AA641178,	A188095, A	A641178,
				AA293576,		AA082601, AW375786, AA468053	AA468053,	
				AA092886,		AA427549, AA129770, AA480482,	AA480482,	
				AA658436,		AA502853, AA394267, AA640898,	AA640898,	
				AI132974,	AA193149,	AA193149, AA091406,	AI749996,	
				AA095793,	AA226058,	AA226058, AI535866, AI940772,	AI940772,	

								,
			15 to 962, where both a and b					
		•	correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1341, and where b is greater					
			than or equal to a + 14.					_
1342	9INGOOH	876082	Preferably excluded from the					_
	,		present invention are one or more					
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 248 of					
			SEQ ID NO:1342, b is an integer of					_
			15 to 262, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					_
			NO:1342, and where b is greater					_
			than or equal to a + 14.					
1343	HWLOE13	876086	Preferably excluded from the	AA284114,	AA878237,	AA878237, AI440478, AI183980	AI183980,	_
	,		present invention are one or more	AI830413,	AI693370,	AI693370, AW167651, AI284239	AI284239,	
			polynucleotides comprising a	AI087052,	AA025164	AA025164, AI075952, AI276058	A1276058.	_
			miniportide semience described by	70018744	AT333050	N69861 NG	AT333050 N69861 N99037 W47304	
			the transfer of the state of th		K	**	0777744 JETUO	_
			the general rormula or a-b, where a	AA626017,	W4/1/1, A	16/2591, AP	W47171, A1672591, AA885176, AA64449,	_
			is any integer between 1 to 819 of	AI222118,		AI080182, AA055097, AI350932	AI350932,	
			SEQ ID NO:1343, b is an integer of	AA526741,		AA524562, AA719566, AA055070,	AA055070,	
			15 to 833, where both a and b	AA397901,	AA890555			
			correspond to the positions of					_
		,	nucleotide residues shown in SEQ ID					_
			NO:1343, and where b is greater					_
			than or equal to a + 14.					
1344	HWMBS01	876088	Preferably excluded from the	AI023441,	AI242040,	AA847082,	AI023441, AI242040, AA847082, T50456, AA331171,	$\overline{}$
			present invention are one or more	AA650226				_
			polynucleotides comprising a					
			nucleotide sequence described by					_
			the general formula of a-b, where a					
			is any integer between 1 to 432 of	_				_
			SEQ ID NO:1344, b is an integer of					

		15 to 446, where both a and b	
		correspond to the positions of	
		nucleotide residues shown in SEQ ID	
		NO:1344, and where b is greater	
		than or equal to a + 14.	
HKLAA70	876089	Preferably excluded from the	AA259061, 256085
		present invention are one or more	
		polynucleotides comprising a	
		nucleotide sequence described by	
		the general formula of a-b, where a	
		is any integer between 1 to 352 of	
	_	SEQ ID NO:1345, b is an integer of	
		15 to 366, where both a and b	
	_	correspond to the positions of	
		nucleotide residues shown in SEQ ID	
		NO:1345, and where b is greater	
		than or equal to a + 14.	
HWLCK07	94090	Preferably excluded from the	AW083180, AI817883, AW138123, AI832211,
		present invention are one or more	AF009961, AF127026, AF105424
		polynucleotides comprising a	
		nucleotide sequence described by	
		the general formula of a-b, where a	•
		is any integer between 1 to 412 of	
		SEQ ID NO:1346, b is an integer of	
		15 to 426, where both a and b	
		correspond to the positions of	
		nucleotide residues shown in SEQ ID	
		NO:1346, and where b is greater	
		than or equal to a + 14.	
1347 HISAV29	876091	Preferably excluded from the	R98881, Z93242, AF160728
		present invention are one or more	
		polynucleotides comprising a	
		nucleotide sequence described by	
		the general formula of a-b, where a	
		is any integer between 1 to 553 of	
		SEO ID NO:1347, b is an integer of	

AA196426, AI796138, AA308423, AI818489	.23, AI818469	. AI818469
rd	<u></u>	0 8 0
polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 568 of SRO TD NO:1348 b is an integer of	15 to 582, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID No:1348, and where b is greater	
		876094
		HSLH112
-		1349

			15 to 527, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1350, and where b is greater	
			than or equal to a + 14.	
1351	HCQCR12	876097	Preferably excluded from the	D80188, C14389, D59275, D50979, D80043, D58283,
			present invention are one or more	D80391, D59787, D80196, D80227, D80522, D51022,
			polynucleotides comprising a	D59859, D80022, C14331, D80166, D80195, D50995,
			nucleotide sequence described by	D51423,
			the general formula of a-b, where a	D80240, D80253, D59502, D59927, AA305409,
			is any integer between 1 to 622 of	D80269, D81030, D80247, D81026, D80248, D80212,
			SEQ ID NO:1351, b is an integer of	D80219,
			15 to 636, where both a and b	D80038, D59610, C14014, D51060, D59889, D80439,
			correspond to the positions of	D80193, D80133, D80045, D80024, D80268,
			nucleotide residues shown in SEQ ID	AW360811, D80378, AA514186, AA514188, AW177440,
			NO:1351, and where b is greater	D80302, D80251, D80241, T03269, C14429,
			than or equal to a + 14.	AW178893, AW377671, AW375405, D51103, AW177731,
_				D80157, AW178983, AW178906, D51759, AW366296,
				AW179328, AW360844, AW360817, AW179020, C75259,
			-	AW375406, T48593, AW378534, AW179332, AW377672,
				AW179023, AW178905, AW378532, AW178908,
				AW177501, AW177511, C05695, D59373, AW179024,
				AW352171, AW179004, AW377676, AW378528,
				AW352170, AW178907, D80132, AW178762, AW179019,
				AW360834, C06015, AW177505, D80134, AW176467,
				D51250, AW360841, D58253, AW367967, AW178775,
				AW369651, D59653, AW178909, AW177456, AW179329,
	•••			AW179009, AW178980, AW178914, AW178911,
				AW177733, AW178754, AW179018, AW352158, D51079,
				AA809122, D80014, AW352117, D45260, AW367950,
				AW178774, AW352120, F13647, AW378525, AW179012,
				H67854, AW177722, AW352163, T11417, C03092,
				D52291, H67866, AW378543, D59627, AW177728,
				D80168, D81111, AW177723, AW378540, D51213,
				AI525923, AI910186, AW178986, C14227, C14973,
				AW178781, AI905856, C14298, AI535850, T03116,

			A132391/, D3931/, D36246, D394/4, C1440/,
			D80258, AA514184, D59503, D60010, AW378533,
			D80064, C14344, D51221, C14957, T03048,
			AW177508, AW177734, AI525920, AI557774,
			AIS25227, AIS35686, AW177497, D58101, D59551,
			C14046, D60214, AIS25912, AIS25235, AIS25237,
			C16955, AI525215, AI525242, AW378542, AI557751,
			AA285331, AI525925, AW378539, D45273, C05763,
			Z33452, T02974, AI525222, Z21582, D51097,
			AW360855, H67858, C04682, D31458, T02868,
			D51053, AW179011, AI525928, AI535961, Z30160,
			C13958, D80314, AI525228, AL033517, AR008278,
			AB028859, AJ132110, A84916, A62300, A62298,
			AR018138, AF058696, A82595, AB002449, AR060385,
			X67155, Y17188, A94995, D26022, Y12724, A25909,
			IS0126, IS0132, IS0128, IS0133, A67220, D89785,
			A78862, D34614, AR016514, AR066488, A26615,
			AR052274, AR008443, AR060138, A45456, D88547,
_			A43192, A43190, AR038669, Y09669, X82626,
_			AR066487, AR016808, A30438, D50010, AR054175,
			114842, Y17187, AR025207, AR008408, A63261,
	-		X64588, AR066490, AR008277, AR008281, AR062872,
			A70867, I18367, AR016691, AR016690, U46128,
			D13509, A64136, A68321, AR060133, I79511,
			X68127, AB012117, AF123263, X72378, AR032065,
			AR008382
1352 HPJBW76	W76 876098	Preferably excluded from the	N50949, AA329541, AL120708, AI922673, D63195,
		present invention are one or more	H05929, AI679480, AA808536, F03253, T80197,
		polynucleotides comprising a	AA125781, AC010169, AC002300, AC004526,
		nucleotide sequence described by	AC003010, AC005183, AC007993, AC005258,
		the general formula of a-b, where a	AC005057, AC002425, AC004878, AP000501,
_	_	is any integer between 1 to 540 of	AC005871, AL133163, AC005844, AC005363,
		SEQ ID NO:1352, b is an integer of	AC008149, H82274, AA665465
		15 to 554, where both a and b	
		correspond to the positions of	
		nucleotide residues shown in SEQ ID	

			NO:1352, and where b is greater than or equal to a + 14.	
1353	нсдсрві	876101	Preferably excluded from the present invention are one or more polynuclectides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 669 of SEQ ID No.1353, b is an integer of 15 to 683, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID No.1353, and where b is greater than or equal to a + 14.	AA019633, AI290219, AA020897, AI278259, R37194, AA021465, AA018170, AA018313, AA019821, T05511, AI335614
1354	нсувгео	876104	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 420 of SEQ ID Mo.1354, b is an integer of 15 to 434, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1354, and where b is greater than or equal to a + 14.	R92525, AA205785, AA173507, AW239243, AA305229, AA305174
1355	нсосро	876105	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 419 of SEQ ID NO:1355, b is an integer of 15 to 433, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID	AA594230

			NO:1355, and where b is greater than or equal to a + 14.	4
	НМГЛА67	876107	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 618 of SEQ ID NO:1356, b is an integer of 15 to 632, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1356, and where b is greater than or equal to a + 14.	AIO88192, AI992372, AI992373, AA768994
1357	HMAKC34	876108	Preferably excluded from the present invention are one or more polymuclectides comprising a nuclectide sequence described by the general formula of a-b, where a is any integer between 1 to 954 of SEQ ID NO:1357, b is an integer of 15 to 968, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1357, and where b is greater than or equal to a + 14.	AA706348, AI742004, AA612742, AA418899, AA622550, AI688045, W04608, AA639641, N73891, AI3063136, C75175, N54079, AA037389, U40583, X70297, AF036903, AF037646, AR055255, U62436, Z23141, L25827, AF087689, Y08420, X93604, AJ245976
1358	HNGBJI3	876109	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 704 of SEQ ID NO:1358, b is an integer of 15 to 718, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID	

			NO:1358, and where b is greater than or equal to a + 14.					
1359	HCFCP28	876117	Preferably excluded from the	W38691, AV	W38691, AW170228, AW204712, AI342478, A	4204712, A	W38691, AW170228, AW204712, AI342478, AA214559,	Γ.
			polynucleotides comprising a	AW207768,	AM207768, AI280415, AW241161, AI698575,	AW241161,	AI698575,	
			nucleotide sequence described by	AA213418,	AA213418, AI192391, AL042921, AL042806	AL042921,	AL042806	
			the general formula of a-b, where a					
			is any integer between 1 to 1614 of					
			SEQ ID NO:1359, b is an integer of					
			15 to 1628, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					_
			NO:1359, and where b is greater					_
			than or equal to a + 14.					-
1360	HCROH40	811928	Preferably excluded from the	AW340002,	AW340002, AW263252, AI302813, AA806234	AI302813,	AA806234,	
			present invention are one or more	AW337920,	AW337920, AI800828, AI685453, AA582942,	AI685453,	AA582942,	
			polynucleotides comprising a	AW150706,	AI566501,	AI802925,	AI566501, AI802925, AI022951, N32077,	_
			nucleotide sequence described by	AA743819,	AI160053,	AI336188,	AA643850,	
			the general formula of a-b, where a	AI091958,	AW081284,		AAS12938, AI687081,	
			is any integer between 1 to 1283 of	AW051587,	AAB84985,		AI738521, AA812286,	_
_			SEQ ID NO:1360, b is an integer of	AI185199,	AI761431,		AA403009, AA047094,	
			15 to 1297, where both a and b	AW130755,	AIS54205,	W60982, A	W60982, AW069431, AA143405,	`
			correspond to the positions of	AI086947,	AI952635,		AA862513, AW025157,	
			nucleotide residues shown in SEQ ID	AI674916,	AI911657,		AA457705, AW418700,	
			NO:1360, and where b is greater	AW009464,	AW009464, AI684131,		AI811699, AI613185,	
			than or equal to a + 14.	AA043722,	AA043722, AA101008,	AI812095, AA143404	AA143404,	
				A1695151,	AI695151, AA662383,		W52268, AA034911, AI445209,	<u>`</u>
				AA410666,	AA410666, AI306627,	AA152449,	AA152449, AI446572,	
				AI760791,	AI760791, AI093619, AI955408, AI344379,	AI955408,	AI344379,	
				AI739460,	AI824906,	AW002682,	AI739460, AI824906, AW002682, N29782, W52269,	
				AA622005,	AA586560,	AI798484,	AA622005, AA586560, AI798484, W47540, W47587,	
				AI795838,	AI795838, AA861143, AA524329, AA047184,	AA524329,	AA047184,	
				AA506568,	AA506568, AW198106, AA936419, AW021602,	AA936419,	AW021602,	
				AAS06574,	W45220, T	49532, AI3	AA506574, W45220, T49532, AI357909, AW168465,	
				N25070, A.	A152448, A	A907471, A	N25070, AA152448, AA907471, AA301628, AA641358,	
				AA515290,	W39753, N	45391, H80	AA515290, W39753, N45391, H80074, AA431547,	

				A1934135, AA927158, AA587966, AA372266, N25911,
				AA535141, AI918662, AW021800, AA613551,
				AA913677, F35471, AA102493, AI795855, AI718365,
				AA613011, AA480815, AA903677, AI872650, T49531,
				H80073, AA973783, AW375945, AA505724, AA514710,
				AI927674, AI475421, N57203, F24647, AA356940,
				AI936211, AA043424, AW367127, AA034978,
				AA593644, AI472573, AW374518, T10460, AA587154,
				AA431094, AI810621, AA918275, AI336721,
				AI709355, AI313344, AW004782, AA062797,
				AA632243, AW059882, N34155, AI557285, Y14551,
				AP000512, AB023051, AC006165, S81914, AF071596,
				AF039067, X96438, AF083421, AJ227914, Y16736
1361	HKAAK32	876121	Preferably excluded from the	AA576961, AI795908, AL120038, AW071648,
			present invention are one or more	AI923078, AI650566, N27861, AA020770, AI693672,
			polynucleotides comprising a	AI828327, AW408804, AI423373, AW275975,
		_	nucleotide sequence described by	AI656898, AA307019, AL121002, AI359865,
			the general formula of a-b, where a	AA088194, N73008, AI926866, AI079417, N35619,
			is any integer between 1 to 2690 of	AI955093, AA258396, AI589460, AA856996, N21585,
			SEQ ID NO:1361, b is an integer of	AI679493, AI824968, AI813785, N40634, AA857168,
			15 to 2704, where both a and b	AI203273, AI079737, AW382798, AA332511,
			correspond to the positions of	AA806210, AI913138, AI675042, AI868760,
			nucleotide residues shown in SEQ ID	AA641278, AI371462, AA995175, H92531, AA113084,
			NO:1361, and where b is greater	R66601, D79238, AW151392, D12298, D56582,
			than or equal to a + 14.	AA380178, AW391828, AI352031, Z21892, AI940086,
				Z50194, U92983, U44088
1362	НСОДОЗІ	876123	Preferably excluded from the	W07169, AA838748, AI985511, N78574, AI200281,
			present invention are one or more	AI658709, AW016259
			polynucleotides comprising a	
			nucleotide sequence described by	
	_		the general formula of a-b, where a	
			is any integer between 1 to 896 of	
			SEQ ID NO:1362, b is an integer of	
			15 to 910, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	

			NO:1362, and where b is greater					Г
			than or equal to a + 14.					7
1363	HHEEN22	876126	Preferably excluded from the	AI361002,	AI969720,	AI805386,	AI361002, AI969720, AI805386, C06251, AI304680,	
			present invention are one or more	AI885442,	AI885442, AI869317, AI306681, AI634959,	AI306681,	AI634959,	_
			polynucleotides comprising a	AA653629,	AA653629, AI336898, AW192256, AW236693	AW192256,	AW236693,	_
			nucleotide sequence described by	AI870517,	H10595, RE	52073, R732	AI870517, H10595, R52073, R73296, AI798507,	
			the general formula of a-b, where a	AA464725,	AI927008,	M78003, A.	AA464725, AI927008, M78003, AA479858, AA463941,	
			is any integer between 1 to 1809 of	R74154, A.	I582506, A	4987791, Al	R74154, AI582506, AA987791, AI094500, AA477492,	_
			SEQ ID NO:1363, b is an integer of	AA464077,	AA340304,	AA781562,	AA464077, AA340304, AA781562, AA433963, R45811,	_
			15 to 1823, where both a and b	AI361797,	AI805569,	AI685621,	AI361797, AI805569, AI685621, AI669742, N58164,	
			correspond to the positions of	F33325, A	1889215, A	4297873, Al	F33325, AI889215, AA297873, AI304641, AL045494,	
			nucleotide residues shown in SEQ ID	AL042523,	AL042523, AL045327, AL135012, AL134110,	AL135012,	AL134110,	_
			NO:1363, and where b is greater	AL134524,	AL134524, AL042420, AL042468, AL045328	AL042468,	AL045328,	_
			than or equal to a + 14.	AL042519,	AL042741, AL042655,	AL042655,	U46344, AL047163,	
		_		AL045891,	AL045326, AL042898,	AL042898,	AL043089,	
		-		AL043321,	AL046356, AL042488,	AL042488,	A85203, AR066494,	
				AL122101,	AL133053,	AL133074,		_
1364	HRABR73	876127	Preferably excluded from the	AL039087,	AL039087, AL037259, AL041296,	AL041296,	AL041098,	Г
			present invention are one or more	AL043440,	AL043440, AL040464, AL041358,	AL041358,	AL041324,	
_			polynucleotides comprising a	AL041096,	AL041096, AL047012, AL043538,	AL043538,	AL044162,	
			nucleotide sequence described by	AL045725,	AL045725, AL040576,		AL043612,	
			the general formula of a-b, where a	AL039915,	AL039915, AL040553,	AL041131,	AL039432,	_
			is any integer between 1 to 423 of	AL047219,	AL047219, AL047057,	AL047170,	AL040119,	
_			SEQ ID NO:1364, b is an integer of	AL047036,	AL047036, AL041292,	AL041051,	AL047183,	
_			15 to 437, where both a and b	AL040322,	AL040322, AL046330,	AL041238,	AL040529,	
			correspond to the positions of	AL041142,	AL045817,	-	AL040510,	
			nucleotide residues shown in SEQ ID	AL043467,	AL044186,	AL040253,	AL044037,	
			NO:1364, and where b is greater	AL040091,	AL040128,	AL040168,	AL040255,	
			than or equal to a + 14.	AL040285,	AL040342,	AL040332,	AL040617,	_
				AL045684,	AL040745,	AL049069,	AL041346,	_
				AL043677,	AL046442,	AL045857,	AL040839,	
				AL041752,	AL038822,	AL043775,	AL044165,	_
				AL041133,	AL043492,	AL041602,	AL045920,	
				AL038838,	AL045753,	AL041227,	AL044074,	
				AL043537,	AL043537, AL041635,		AL045990, AL040458,	
	-			AL044199,	AL044199, AL044187, AL046150, AL040090,	AL046150,	AL040090,	_

	AL040263,	AL040263, AL040294, AL040329, AL044274	AL040329,	AL044274,
	AL040082,	AL044272, AL040148,	AL040148,	AL040472,
	AL041730,	AL041523,	AL041523, AL043627,	AL049018,
	AL046392,	AL040463,	AL041374,	AL040052,
	AL043845,	AL042135,	AL044064,	AL038983,
_	AL039316,	AL043923,	AL043814,	AL045671,
	AL043848,	AL041459,	AL043570,	AL041577,
	AL044201,	AL044258,	AL046850,	AL046147,
	AL038532,	AL040768,	AL037727,	AL041140,
	AL046327,	AL046994,	AL042712,	AL040414,
	AL040571,	AL046097,	AL043496,	AL046914,
	AI142134,	AL040621,	AL041186,	AL039744,
	AL041086,	AL042096,	AL040444,	AL080031,
	AL041955,	AL041168,	AL041159,	AL041233,
	AL041246,	AL079878,	AL041277,	AL041163,
	AL040193,	AL040370,	AL041278,	AL037436,
	AL045994,	AL040155,	AL045784,	AL040149,
	AL039360,	AL037435,	AL038761,	AL045989,
	AL040075,	AL039338,		AL079852,
	AL037335,	AL046099,		AL047131,
	AL040238,	AL037341,		T23985, Z30131,
	AIS47039,	AL045211,	AL045340,	AI546899,
	AIS41509,			AL043444, T23957,
	AI541510,	AIS41317,	AI525306,	T23888, AI541365,
	AI540967,		AI547006,	AIS41514,
	AI525431,		AIS41374, AIS41534,	AIS35639,
	AI546999,	AA585453,	AI525321,	AIS57787,
	AI526194,	AI541506,	AI541506, AI535813, AI546891,	AI546891,
	AIS41017,	_	02921, T24	T24112, T02921, T24119, AL039156,
	AL044530,		AL036630, AL039504; AW451416,	AW451416,
	AW013814,	AL039555,	AL039555, AL039509, AL039564,	AL039564,
	AL039538,		AL038043, AL039108,	AL039678,
	AL039566,		AL039074, AL038837,	AL039521,
	AL039625,	AL039648,	AL039648, AL039659, AL039629,	AL039629,
	AL045794,	AL039476,	AL039476, AL043586, AL037726,	AL037726,
-	AL038531,		AL039109, AL040992,	AL039924,

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	ALU39128, ALU4	ALCOSTICS, ALU44407, ALCOSOS73, ALC42909,
	AL045341, AL04	AL045341, AL045337, AL044412, AL037051,
	AL045353, AL03	AL045353, AL039386, AL039423, AL039410,
	AL044364, AR06	AL044364, AR067731, AR067732, AR051651, I25027,
	126929, 144515	I26929, I44515, I26928, I26930, I26927, A29109,
	A32111, I44516	A32111, I44516, AR027100, A49045, AR009152,
	AR009151, AR06	AR009151, AR067734, A83151, AR068508, AR068510,
	AR068509, I583	AR068509, I58322, I58323, I85513, AR054109,
	Z96177, AR0685	Z96177, AR068550, A23373, AR068551, X85060,
	E01324, I08638	E01324, I08638, A70359, AR016495, A95117,
_	A93936, A94048	A93936, A94048, A94061, A94046, A94054, I07209,
	I07249, AR0677	I07249, AR067733, AR029418, A63954, I09267,
	109270, 109268	I09270, I09268, I09269, A49701, I09252, I09251,
	AR029417, AR03	AR029417, AR035224, I58669, AR038066, AR027099,
	A27169, A27170	A27169, A27170, A39929, AR038307, AR038321,
	AR051652, AR03	AR051652, AR038306, AR038320, I91969, A83642,
	A83643, X89399	A83643, X89399, I25041, AR018924, A48774,
	A48775, A38214	A48775, A38214, A44171, I56772, I95540, A63067,
	E01239, E01561	E01239, E01561, A51047, A63064, A63072,
	AR068507, AR06	AR068507, AR068506, AR064436, AR000006,
	AR015960, AR00	AR015960, AR000007, AR015961, A92081, AR027319,
-	A91752, A91751	A91752, A91751, AR027318, A92080, A92077,
	A92078, A92075	A92078, A92079, AR031374, A49700, AR031375,
	A58521, AR0209	A58521, AR020969, E01619, I06159, A93445,
	AR003585, A066	AR003585, A06633, A60212, A60209, A60210,
	A60211, A32110	A60211, A32110, A83180, A60206, A93446, A91754,
	A64973, A84772	A64973, A84772, A84776, A84773, A84775, A84774,
	AR037157, A867	AR037157, A86792, A58522, A68112, A68104,
*******	A91750, A11245	A91750, A11245, A20702, AR062871, A43189,
-	A43188, A20700	A43188, A20700, A98420, A98423, A98432, A98436,
	A98417, A98427	A98417, A98427, I66495, I66494, I66498, I66497,
	I66496, I66487	I66496, I66487, I66486, X83865, A85395, A85476,
	AJ244004, I153	AJ244004, I15353, El2566, El2564, El2565,
	A98767, A93963	A98767, A93963, A93964, E14304, AR062872,
	AB1878, AR0628	A81878, AR062873, A25909, AF082186, AJ244003,
	A58524, E16678	A58524, E16678, A58523, D78345, AR038762,

				סייסייסתג ייסטייסתג סייסייסתג סייסייני במסכסם
				503627, 116359, AKO33046, AKO33031, AKO33049,
				166488, 166489, 166490, 166491, 166492, 166493,
				A91965, I66481, I66482, I66485, I66483, I66484,
				AR012640, I15718, I15717, A92133, I08395,
				M28262, I08396, A70040, A93016, I00682, A20699,
		-		A11623, E00609, A11624, I18302, E00696, E00697,
				E13740, A11178, E01007, I13349, E03813, A10361,
				AR035975, AR035977, I48927, I60241, I60242,
				I03331, A02712, A02710, E12615, AR035193,
				A77094, A77095, A07700, A13392, A13393, I62368,
			-	AR031488, I13521, I52048, A27396, I63120,
				AR017907, AR043601, A95051, A18053, I49890,
		_		I44531, I28266, A18050, A23334, A75888, I70384,
				A60111, A23633, I21869, AR007512, A24783
1365	HWMBX6	876137	Preferably excluded from the	
	∞		present invention are one or more	
		_	polynucleotides comprising a	
			nucleotide sequence described by	
		_	the general formula of a-b, where a	
		_	is any integer between 1 to 509 of	
			SEQ ID NO:1365, b is an integer of	
			15 to 523, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1365, and where b is greater	
			than or equal to a + 14.	
1366	HE80F49	876139	Preferably excluded from the	AI809519, AI733273, AI700619, AW444492,
			present invention are one or more	AI701407, AI268747, AW023153, AA933010,
			polynucleotides comprising a	AI216153, AW450105, AI268633, AI793298, F03428,
			nucleotide sequence described by	H09383, H09323, Z44285, AW297395, F04852
			the general formula of a-b, where a	
			is any integer between 1 to 2141 of	
			SEQ ID NO:1366, b is an integer of	
			15 to 2155, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	

			NO:1366, and where b is greater		
			than or equal to a + 14.		
1367	HWLHY12	876140	Preferably excluded from the	AW394038, AW157294, AW394036, AW163057,	94036, AW163057,
			present invention are one or more	AA306435, AW362974, AW157089, AW362965,	57089, AW362965,
			polynucleotides comprising a	AI878985, AW162479, AA146857, AW362967,	46857, AW362967,
			nucleotide sequence described by	AA311937, AW362962, AA306611, AI879487,	06611, AI879487,
			the general formula of a-b, where a	AW362949, AA774684, AA813993, AW362950,	13993, AW362950,
			is any integer between 1 to 1710 of	1W403413, AW362951, AW40	AW403413, AW362951, AW407973, H59390, AW362956,
			SEQ ID NO:1367, b is an integer of	AA310305, AA360185, AA33	AA310305, AA360185, AA332342, AA120901, D81998,
			15 to 1724, where both a and b	W21240, R18124, AA312498, AA971457, AI223218,	B, AA971457, AI223218,
			correspond to the positions of	AA377328, AA300637, AW163350, AA248513,	63350, AA248513,
			nucleotide residues shown in SEQ ID	AA377822, AW366952, AI690275, N91094, AL021808	90275, N91094, AL021808
			NO:1367, and where b is greater		
			than or equal to a + 14.	:	
1368	HCQBL07	876141	Preferably excluded from the	AA668479	
			present invention are one or more		
			polynucleotides comprising a		
			nucleotide sequence described by		
			the general formula of a-b, where a		
			is any integer between 1 to 359 of		
			SEQ ID NO:1368, b is an integer of		
			15 to 373, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1368, and where b is greater		
			than or equal to a + 14.		
1369	H2LAJ32	876142	Preferably excluded from the	AA313981, AA513970, D80022, D59787, D59927,	022, D59787, D59927,
			present invention are one or more	D59502, D50995, D80391,	D59502, D50995, D80391, D81030, D80188, D80166,
			polynucleotides comprising a	D58283, D80212, D80196,	D58283, D80212, D80196, D59619, D80210, D80240,
			nucleotide sequence described by	D59859, D80195, D80193, D51423, D51799,	D51423, D51799, C14389,
			the general formula of a-b, where a	D59275, D80253, D80043,	D59275, D80253, D80043, D80227, D80219, D80164,
			is any integer between 1 to 807 of	D57483, D80269, D80366,	D80269, D80366, D80038, D50979, D59889,
_			SEQ ID NO:1369, b is an integer of	C14331, T03269, C15076,	T03269, C15076, D59610, D80378, D80024,
_			15 to 821, where both a and b	D59467, D80045, C14429, AW178893, D80241,	AW178893, D80241,
			correspond to the positions of	AA305409, D51060, C75259, C14014, D51250,	9, C14014, D51250,
			nucleotide residues shown in SEQ ID	D80134, AW179328, AW178	D80134, AW179328, AW178775, AW352158, AW378532,

		NO:1369, and where b is greater	AW177440, D81026, F13647, D51022, AW369651,
DB0126, DB0251, MN17501, MN17501, MN17751, DB0236, DB0246, AW174647, MN17501, MN17751, DB0133, DB00246, AW174647, MN17501, MN17751, DB0133, AW37761, AW377761, AW377761, AW377761, AW377761, AW377761, AW377761, AW3777761, AW37777761, AW37777761, AW37777761, AW3777777777777777777777777777777777777		than or equal to a + 14.	D80268, D80522, AA305578, Z21582, AW178762,
A1905886, D80251, AW177501, AW17751 D80248, AW360811, AA514188, AW37852 D80064, AW17647, AA514186, C12428, D51097 AW360844, AW360834, AW37752, AW37752, AW37751, AW17932, AW37752, AW37751, AW37752, AW37751, AW17932, AW37752, AW377731, AW179320, AW17904, AW17931, AW17932, AW37904, AW17931, AW17932, AW37907, AW17932, AW37904, AW17932, AW37904, AW17901, AW17932, AW37907, AW17904, AW17932, AW37907, AW17907, AW17904, AW17901, AW			D80168, D80949, C14227, D58253, AI910186,
D80044, AN17641, AA514188, AN3784 D80064, AN176467, AN378405, D80133, AN377671, AA514186, AN378406, C1464 AN360844, AN360817, AA375405, AN17675, AN178905, AN178905, AN178905, AN178905, AN178904, AN178905, AN178904, AN178901, AN179012, AN179012, AN179013, AN179013, AN179013, AN179013, AN179013, AN179013, AN179013, AN179013, AN179013, AN179014, AN17724, AN1772			AI905856, D80251, AW177501, AW177511, D81111,
DB0064, AN176467, AN375405, DB1033 AN37671, AAS14186, C144298, DS1097 AN360844, AN360817, AN375406, C144298, DS1097 AN360844, AN360847, AN37762, AN37762, AN177824, AN177824, AN177826, AN178224, AN178907, AN177826, AN178207, AN178901, AN177820, AN178901, AN177820, AN178901, AN177824, AN177824, AN17783, AN17891, AN17783, AN17891, AN17783, AN17891, AN177824, AN17891, AN178	-		D80248, AW360811, AA514188, AW378540, AW352117,
AW377611, AA514166, C14298, D51097 AW360844, AW360817, AW377622, AW377612, AW37895 AW372170, AW17782, AW37782, AW37782, AW37822171, D8013 AW37731, AW179220, AW178922, AW178923, AW17782, AW37823, D818218, AW17783, AW178823, D818218, D818218, AW17783, AW178823, D81821, AW17783, AW17782, AW178923, AW17783, AW187823, AW	-		D80064, AW176467, AW375405, D80133, AA285331,
AW360844, AW3760817, AW375406, C144 AW360196, C05685, AW179024, AW179024, AW179019, AW177905, AW179019, AW177505, AW179019, AW177505, AW179019, AW177505, AW179019, AW1777505, AW179019, AW1777506, AW179012, AW179019, AW1777018, AW179019, AW177722, AW179012, AW179019, AW177722, AW379019, AW179019, AW179019019, AW179019, AW179			AW377671, AA514186, C14298, D51097, AW366296,
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			D34614, D88547, X82626, AF058696, AR025207,

				AR008278 AR028859 V12724 AB010386 AB012117
				X68127, A85396, AR066482, A44171, A85477,
				A94995, I19525, A86792, U87250, AB002449,
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				I50126, I50132, I50128, AR066488, AR060138,
				AR016514, A45456, A26615, AR052274, A43192,
				A43190, AR038669, Y09669, AR066490, AR066487,
				AF135125, I18367, A30438, Y17187, D88507,
				D50010, A63261, I14842, AR008408, AR054175,
				AR062872, A70867, AB033111, AR016691, AR016690,
				U46128, A64136, A68321, AR008277, AR008281,
				D13509, AR064240, AR060133, X64588, U87247,
				I79511, AB023656, U79457, AF123263, AR032065,
				AJ000347, X93535, AR008382
1370	HSIAD07	876146	876146 Preferably excluded from the	AA376851, AF067844
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 409 of	
			SEQ ID NO:1370, b is an integer of	
			15 to 423, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1370, and where b is greater	
			than or equal to a + 14.	
1371	HWLNZ56	876151	Preferably excluded from the	AI636631, AA309020, AI744144, AW009754,
			present invention are one or more	AI700328, AI673552, T55187, T16814, R87983,
			polynucleotides comprising a	AA514537, AW014851, R89617, AI202634, AA652368,
			nucleotide sequence described by	AI695471, T04994, D50992, T18597, AI535639,
			the general formula of a-b, where a	Z32887, D59751, AI525556, AI535660, Z33559,
			is any integer between 1 to 639 of	AI557084, AI557262, AI536138, AI525500,
			SEQ ID NO:1371, b is an integer of	AI557864, AI541205, AI557082, AI557533,
			15 to 653, where both a and b	AI526078, AI540903, C14228, AI525316, H65400,
			correspond to the positions of	AI525302, AI525757, N71206, AI557317, AI541356,
			nucleotide residues shown in SEQ ID	AI557312, AI525852, AI541075, AI557809,

			NO:1371, and where b is greater	AIS57731, AIS41365, AIS25661, R29657, AIS41353,	1353,
			than or equal to a + 14.	AI525856, AI541321, AI557155, AI557238,	
				AI525666, AI541450, AI541034, AI557258,	
				AIS57474, AIS47196, AIS25568, AIS57602,	
				AI540974, AI557041, AI535828, AI536150,	
				AI535813, AI546829, D30843, AI557039, AI557154,	57154,
				AIS25656, AIS47177, AIS57543, AF117946, A62300,	52300,
				A62298, AR050070, A82595, A82593, U94592,	
				Z30183, AF006072, U41654, AR025466	
1372	HLQBA23	876152	Preferably excluded from the	AA777628, AW085142, AA748330, AA811973, R89234,	89234,
			present invention are one or more	AA730279, R89233	
			polynucleotides comprising a		
			nucleotide sequence described by		
			the general formula of a-b, where a		
			is any integer between 1 to 893 of		
			SEQ ID NO:1372, b is an integer of		
			15 to 907, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1372, and where b is greater		_
			than or equal to a + 14.		
1373	HDPQV66	876153	Preferably excluded from the	AW188509, AA133311, AA748711, AW006796,	
			present invention are one or more	AA808751, AIG36357, AI126533, AI125369,	
			polynucleotides comprising a	AI298453, AW166241, AA830092, AA033555,	
			nucleotide sequence described by	AI765118, AI096536, AI362676, AW303885,	
			the general formula of a-b, where a	AI810267, AI304494, AW369295, AW369278,	
			is any integer between 1 to 3022 of	AI278826, C06204, AI298997, AA934415, AI803059,	03059,
			SEQ ID NO:1373, b is an integer of	W45399, AA911937, AI285295, AW369353, H20014,	014,
			15 to 3036, where both a and b	AA846303, AA620334, AI380981, AA046599, H20084,	20084,
			correspond to the positions of	AA856630, H41028, W32278, AA259115, AA348014,	014,
			nucleotide residues shown in SEQ ID	W57679, H41029, AI862059, AA436105, AW378921,	921,
			NO:1373, and where b is greater	H23401, W40332, AW370532, AI283494, H23290,	٥,
			than or equal to a + 14.	AA838806, AA348015, R22761, AI702112, AA737279,	37279,
				AA736690, R22707, AA731236, R22706, R43410,	٥,
				AA133178, R43411, N49145, R23256, AA932492,	2,
				AW002378, R23332, AA046727, AA976863, AA248262,	48262,

				AW151330,	AW151330, N54032, AI784141, AA604954	AA604954	
1374	HODEJ02	876155	Preferably excluded from the	AI936171,	AI936171, AI660616, AA723024, AA190582,	, AA190582,	
			present invention are one or more	AA702472,	AA702472, AA947752, AI814600, AA075189,	, AA075189,	
			polynucleotides comprising a	AW020121,	AW020121, AW294648, AA757206, AI125830,	, AI125830,	
			nucleotide sequence described by	AI696932,	AI696932, AI921488, W15540, AA167043, AA305635,	AA167043, AA	305635,
			the general formula of a-b, where a	AA830086,	AA830086, AI658993, AI436142, AA962072,	, AA962072,	
			is any integer between 1 to 2638 of	AA284969,	AA284969, AA425011, AA250752, AA828460,	, AA828460, I	D56246,
			SEQ ID NO:1374, b is an integer of	AI741195,	AI741195, AA251400, AA829606, AI032702	, AI032702,	
			15 to 2652, where both a and b	AW079530,	AW079530, N49067, AA749129, AA279652, AA495947,	AA279652, AA	495947,
			correspond to the positions of	AI026876,	AI026876, W31634, AI282893, AW079538, AA459370,	AW079538, AA	459370,
			nucleotide residues shown in SEQ ID	AI074276,	AI074276, H89116, AA502299, D56326, AA284995,	D56326, AA28	4995,
			NO:1374, and where b is greater	W32623, AA	W32623, AA904260, AI001813, H89222, D56456,	H89222, D564	26,
			than or equal to a + 14.	AW242319,	AW242319, AA250829, AI040832, AA837963,	, AA837963,	
				AW295502,	AW295502, AA442409, AA253372, AA279862,		W03753,
				AW452047,	AW452047, AI289978, AA327787, AA634468,	7, AA634468,	
				AA298940,	AA298940, AA459595, AA991736, AI090474,	5, AI090474,	
				AA603227,	AA603227, AA730869, AI191872, D61332, AA634018,	, D61332, AA	634018,
_				N86750, N7	N86750, N79236, AI280656, AA211438, AA908725,	1211438, AA90	8725,
				AI695184,	AI695184, D62649, AA358933, N75598, AA811697,	N75598, AA81	1697,
				AI094362,	F35399, N50196, AA075188, AW205837,	4075188, AW20	5837,
				AA773229,	AF100156, AW364866, AC003042	5, AC003042	
1375	HWMBZ31	876156	Preferably excluded from the	AW360816			
			present invention are one or more				
			polynucleotides comprising a				
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 313 of				
			SEQ ID NO:1375, b is an integer of				
			15 to 327, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1375, and where b is greater				
			than or equal to a + 14.				
1376	HLTCX04	876166	Preferably excluded from the	AA485808,	AA485808, AA505129, AI149019, AI970131,	9, AI970131,	
			present invention are one or more	AI829798,	AI829798, AA346059, AA367024, AA371138,		W39118,
			polynucleotides comprising a	AA491324,	AA491324, AI817772, AA300274, AW194921	4, AW194921,	

	nucleotide sequence described by	AW166155, AI65;	AW166155, AI652296, AA824496, AI301046	AI301046.
	the general formula of a-b, where a	AI249946, AL04	AL040694, AI241223, AI915295	AI915295,
	is any integer between 1 to 1239 of	A1250646, AA08	AA088789, AI471429, AW021717,	AW021717,
	SEQ ID NO:1376, b is an integer of		AL039011, AI500061, AI702527,	AI702527,
	15 to 1253, where both a and b		AW196720, AW163834, AA928539	AA928539,
	correspond to the positions of	AI538885, AL03	AL036705, AI969655, AI223980,	AI223980,
	nucleotide residues shown in SEQ ID	AI434731, R537	41, AI524654, AI4	R53741, AI524654, AI401697, AA837391,
	NO:1376, and where b is greater		AI687568, AI623941, AI752007,	AI752007,
	than or equal to a + 14.	AI580027, AI33	AI333104, AI274759, AL079740,	AL079740,
		AI345415, AL04	AL046849, AI682958, AA057840,	AA057840,
			AI250353, AI586931, AI432644,	AI432644,
_		AI805688, AI58	AI583578, AW088560, AA805708,	AA805708,
			AI440238, AI658566, AI491842,	AI491842,
			AI702540, AW172723, AI784214,	AI784214,
		AW263569, AI34	AI345688, AW055252, AI699020,	A1699020,
	-	AW021662, AW11	AW118508, AIS90830, AW051088,	AW051088,
			AW195253, AI887163, AI702343,	AI702343,
			AA575874, AI801325, AI242248,	AI242248,
			AI345010, AI344785, AI343325,	AI343325,
		AW151451, AI30	AI309306, AA259207, AI964011	AI964011,
			55, AI890887, AI	F36855, AI890887, AI345553, AI355779,
			AI923989, AI289791, AI349967,	AI349967,
			AW020381, AI280607, AI927233	AI927233,
			3717, AI308032, 1	AW403717, AI308032, N75771, AI581033,
			AI584118, N81195, AI	N81195, AI627714, AI699823,
_		AIS90755, AIS3	AI539260, AI860027, 1	AI860027, F34030, AI915291,
				A1114703,
			AI811192, AI688854, AI345745,	AI345745,
			AL047675,	AL036548,
		AI285439, AI27		AI537516,
		AI926593, AI69		A1005511,
		AI859644, AW10	AI784233,	AI633125,
			AI698391,	N63128, AI815232,
		AI612885, AL03	AL036265, AI817523, I	H89138, AI500523,
			AI648699, AI241741, AI582871,	AI582871,
		AA225339, AI58	AIS82932, AAS14684, AI623797,	AI623797,

	AI619820, AA580663, AI491710, AI623363,
	AI783569, N99092, AI539632, R65859, AI889189,
	N71180, AI361701, AI491904, AI435253, AA641818,
	AI866573, AI343091, AI310575, AI345417,
	AW161098, AI161279, AI302590, AI335363,
	AI366984, AI583032, AI538850, AI963058,
	AW078729, AL047100, AL037602, AI433611,
	AW025279, AI590043, AI305157, AW089293,
	AI815855, AI299903, AI340533, R20540, AI349957,
	AW020592, AI288335, AI685211, AW161202,
	AI096771, W74529, AA493923, AI345471, AA767039,
	R10067, AL037582, AI559863, AI345005, AI918554,
	AW022494, AW079768, AI680504, AW191003,
	AW020288, AW009306, W45039, AL048499, AA768369,
	AI360195, AI630252, AA555145, AW020095,
	AI569616, AL135024, AW089572, AW084097,
	AI671642, AA279795, AI800341, AI890907,
	AI225000, AI357599, AI621341, AC006512, E01573,
	E02319, AF091512, AF067790, S61953, I48978,
	AL137640, AJ238278, AF002672, 189947, AR038854,
	A08913, I03321, AL117432, AL137258, AL133557,
	A08912, A08911, AF026816, A18777, X82434,
	S77771, AF000167, AF116573, S76508, AL133665,
	AL137476, AF159615, E12580, X75295, S83456,
	A21103, AF028823, L13297, E05822, AF141289,
	AL117583, E15582, AF090886, AL049452, AL050393
-	AF019298, A08910, AJ004832, AF113013, I89931,
	A08909, AF017437, X79812, AF106657, AL137550,
	I49625, A08907, A08908, AL122050, A77033,
	A77035, AF176651, I32738, AL137548, A48221,
	AF013214, AF185576, AL137521, A48220, I89934,
	Y10823, A65341, A76337, AF087943, U95114,
	AF090903, AF032666, AF008439, Z97214, U77594,
	D83032, AL133084, I33392, X06146, AL122100,
	AL122045, AL137533, S68736, AF090901, AL122121,
	X72387, A23630, E12747, X66862, AL049382,

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				AL035458, AL136884, AF113677, AL122106,
				AF026030, AL050278, A07647, AL137495, A90844,
				AF111851, AL137459, Z37987, AL110221, AL110158,
		-		AL080140, U62966, AL080147, AF180525, AL137705,
		_		E06743, U36585, AL133560, E02152, AF111112,
				U75932, AF078844, AF113694, AF090934, A57389,
				S63521, AL133054, A86558, AL137286, AL133558,
				U67958, X61399, AL080159, AR000496, AL049430,
_				U39656, X80340, AR029490, AL117626, AL137271,
				AF210052, Z82022, X52128, AF109155, AL137711,
				Y14314, AF026008, AF124728, AL133016, AF158248,
			-	AL122118, AL122093, AL080148, AL133113,
				AR068466, AL133010, AF182215, M92439, AF107018,
				Y08769, AL080118, S54890, AF183393, A65965,
				M19658, AF195092, AL122049, L19437, Y16645,
				X56039, A65340, Y11587, AL137478, AL080154,
				AF200464, AR059958, AF043493, AF061795,
				AF118558, AF151685, AF199027, A65943, U78525,
				AL050155, AL117435, E02221, E01614, E13364,
				L04504, AB029065, J05277, X96540, AR011880,
		_		I89944, I22272, AF091084, AF145233, AB028451,
				AL050277, E12579, I26207, I22020, AF146568,
_				U35846, AF102578, U89295, AL110280, U88966,
				AL137463, AR013797, AL137554, I09360, AL137298,
				AL133640, AF162270
1377 F	HYABC06	876168	Preferably excluded from the	W00981, AA095481, N79184, AI693730, AA113788,
			present invention are one or more	AA096381, AI373515
			polynucleotides comprising a	
_			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 657 of	
_			SEQ ID NO:1377, b is an integer of	
			15 to 671, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	

			NO:1377, and where b is greater	
			than or equal to a + 14.	
1378	HLYDI04	876169	Preferably excluded from the	
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 487 of	
			SEQ ID NO:1378, b is an integer of	
			15 to 501, where both a and b	
		-	correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1378, and where b is greater	
			than or equal to a + 14.	
1379	HBXFF23	876170	Preferably excluded from the	W03002
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 948 of	
			SEQ ID NO:1379, b is an integer of	
			15 to 962, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1379, and where b is greater	
			than or equal to a + 14.	
1380	HDPBG07	876172	Preferably excluded from the	AW450363, AA806222, AI697498, AW379227,
_			present invention are one or more	AI950341, AA477713, AW262972, AI762090,
			polynucleotides comprising a	AI143168, AA062917, AW055125, AI708563,
			nucleotide sequence described by	AA722270, AI190178, AI147612, AA188072,
_			the general formula of a-b, where a	AI524191, AA280235, N44673, AI921393, AI291105,
			is any integer between 1 to 2921 of	AI760852, W68464, N26444, AI373000, AI302843,
			SEQ ID NO:1380, b is an integer of	AI097247, AI160536, T66196, AI804233, W78020,
			15 to 2935, where both a and b	AW138636, AI423991, AI089967, C75569, AA565899,
			correspond to the positions of	AI279995, AI565961, AW341212, H99338, AI299654,
			nucleotide residues shown in SEQ ID	AA631426, AA419222, AA663984, W73977, AA954140,

			NO:1380, and where b is greater	W51950, W69512, AA410280, AI491793, AI393820,
	_		than or equal to a + 14.	AA128340, AA349786, AI424298, C75628, H29446,
				AA213410, AA599925, N35301, N44876, H29445,
				H43944, AW407957, AI186159, N95537, AA730169,
				AA662641, AW241690, AA838196, W04289, AA187171,
				F12045, W73396, H96739, AA082450, N54637,
				AI693584, AAS14420, AI266534, W69601, AA805928,
				AA255924, N33412, C75660, AI351695, AA386137,
				AW291308, AI656702, AI242486, AW026628,
				AI423698, AW405587, H45912, AA582631, AA244409,
				T91940, AI693563, R81438, AI868184, H42592,
				AA355526, AA349785, T84915, AI001044, AW079738,
				Z29930, R80195, F09688, H43066, AW273143,
				R74231, AA419207, AI205120, H00493, AI918592,
				H23921, R81641, AA345108, AA361827, AI707909,
				AA310049, AA346697, W69413, AW407592, T66132,
				T87190, T18570, T87277, T18595, D61617, W24226,
				AA281534, T10717, AA213409, AA503305, AA47714,
				R50328, N44051, AA928401, AI018524, N74140,
				AA761812, W69429, AA922945, AI381590, AI347968,
_				N24768, AR038868, AB016811, AR055261, AR038869,
				AR055262
1381	HCYBF02	876174	Preferably excluded from the	AA305198, AA134366, AA259244, AI078409,
			present invention are one or more	AA338262, R91816, AI591375, AI460050, AA601376,
			polynucleotides comprising a	AI909130, AW338376, AA484658, AW272389,
			nucleotide sequence described by	AI890297, AL035847, N54947, AA522642, AA847096,
			the general formula of a-b, where a	N80390, AL039471, AA078337, AA515176, AW008089,
			is any integer between 1 to 612 of	AA171400, AA595499, AW247866, AW250983, T94247,
			SEQ ID NO:1381, b is an integer of	AI468971, AA349437, T05143, AA297682, AI935827,
			15 to 626, where both a and b	AA833896, AA833875, AA493464, AW168520,
			correspond to the positions of	AA350593, AA610381, AA568494, AI952885,
			nucleotide residues shown in SEQ ID	AL044674, AW080062,
			NO:1381, and where b is greater	AA665645, AA601674,
			than or equal to a + 14.	AA507745, AI050050, AW088745, AI271693, T26553,
				AI224583, AA320262, AA847095, AA493136,
_				AI064918, AA743517, AI000381, AA595661, N59648,

	R10475, AA679937, AW029515, AA666052, AA640685,	56052, AA640685,
	AA218684, AA548390, AA584862, AA283455	1283455,
	AI440037, AA613627, AA524604, AI583321,	[583321, F31380,
	AA523132, AL118823, AA199578, AW021105	4021105,
		14494, TS7562,
•	AIO49845, AA551105, R92608, N26159, AI251576,	LS9, AI251576,
	AA582975, H88429, AI927275, AL040054, AI272241	10054, AI272241,
	AA687730, AA634882, H62123, AW169038, AA071173	59038, AA071173,
	AA613231, L78810, AL022330, AC004032, AC004925,	04032, AC004925,
_	AC004914, Z77249, AC004973, AF196970, AL079339,	96970, AL079339,
	AC007649, AC007842, AC004986, AF205588,	7205588,
	AP000031, Z75744, AL031293, AC006539, AC003668	36539, AC003668,
	AC005549, AL121578, AL049636, L05367, AP000038,	05367, AP000038,
_	ALO21407, AL133485, AC004929, AC006026,	3006026,
	AL035086, AC000115, AL031283, AL022165,	L022165,
	AL031781, AP000279, AC004526, AP000135,	P000135, U63834,
	AC005082, AP000106, AC007308, AP000305, Z98744,	P000305, Z98744,
_	Z95125, AL035413, AC006251, AL109865, AL031073,	09865, AL031073,
	AC005184, AC001226, AP000047, AP000115	P000115,
	AF134726, AC004996, AD000684, AP001052,	P001052,
	AC007240, AF165141, AC006509, AC005484	C005484,
	AC004383, AC009731, Z98049, AC	Z98049, AC011456, AL031433,
	AC004087, AC004087, AC004019, Z98884, AC007541.	98884, AC007541,
_	AC005859, AC004263, AC004988, AL035653	L035653,
	AC002544, U91326, AC005412, AC002425, U95742,	02425, U95742,
_	AL034419, AL009047, AC007533, Z83826, AC007216,	83826, AC007216,
		L035460, U91321,
	AC004984, L29074, AP000261, AF222686, AL034379,	22686, AL034379,
	AL031652, AC005632, AC007463, AC005209,	C005209,
_		C005048,
	AP000123, AP000055, AP000170, Z98048, AL079306,	98048, AL079306,
	AL022332, AC006241, AL080239, AC002395,	C002395,
	AL023883, AC005229, AL133396, AC004468,	C004468,
_	AC000378, Z69705, AC004063, AL033504, U91323,	33504, U91323,
	AL135960, AJ131016, AC004754, AC007371,	C007371,
	AC005046, AC002110, AJ006345, AC005832,	C005832,

			ACOUSEZY, APOUU	ACTUBEZY, AFOUNDIN, ACTUBABI, ACTUBIZE,
			AL022239, AC002	AL022239, AC002105, Z98050, AC005225, AC006270,
			AL031584, AL034	AL034451, U82828, AC008064, AP000247,
			AC007066, AP0003	AP000255, AL049832, Z84484, Z84572,
				AC002039, AC006062, AL033527,
			AL031733, AP000497,	497, Z97353, AP000503, AL133353,
				AC005377, AL096791, AC003676,
			AC005690, AC004	AC004938, AC007388, AC005876,
			AC006142, AP000	AP000102, AL034429, AF222685,
			AL121576, AC002	AC002492, Z73358, AP000351, AC008372,
			AC009399, Z9718	Z97184, AL049829, AC004099, AC007538,
			AC005253, AL121	AL121694, AL122003, AC006430,
			AP000201, AC007	AC007539, AL022328, AF049895,
			AC002064, AC006385,	385, AC005042, AC007955,
-			AC007731, AC004975,	975, AP000097, AC007682,
			AL049712, AL022163,	163, AC009248, AL031985,
_			AC006155, AP000356,	356, AC005191, AC006965,
			AC007385, AC005988,	988, AF128525, AC004033,
			AC005409, AL023095,	095, AC004953, AL035411,
			AL049773, AC005154,	154, Z84469, AC005500, AL021331,
			AC012380, AL031054,	054, AF165926, Y10196, AP000354,
			AL008718, AL031	AL008718, AL031287, AC000353, AC010205,
_			AL050326, AC005	AL050326, AC005375, U82696, AP000338, AL132987,
			U71148, AC00479	U71148, AC004794, AC007200, AP000216, AC003098,
			AC005585, AC006	AC005585, AC006141, AC005342, AP000352,
			AC006277, AC005	AC006277, AC005378, AC004815, AC005660,
			AF023268, AL031	AF023268, AL031055, AC004876, AL031729, Z68287
1382 HTWDI21	876177	Preferably excluded from the	AI656807, AA897	AI656807, AA897632, AWI51919, AW271601,
		present invention are one or more	AA287933, AI393	AA287933, AI393569, AA644542, AI248118,
		polynucleotides comprising a	AA707517, AI240	AA707517, AI240868, AI247781, AI076324, N68357,
		nucleotide sequence described by	AI380870, T8780	AI380870, T87807, AA808229, AW197425, AA835077,
_		the general formula of a-b, where a	Z40387, AI458836	9
•		is any integer between 1 to 569 of		
		SEQ ID NO:1382, b is an integer of		
		15 to 583, where both a and b		
		correspond to the positions of		

			nucleotide residues shown in SEO ID				
			NO:1382, and where b is greater				
			than or equal to a + 14.				
1383	HATED01	876179	Preferably excluded from the	AI792782,	AI191919,	AI792782, AI191919, AI765864, AI733139,	AI733139,
			present invention are one or more	AA702347,	AI220405,	AA702347, AI220405, AI423312,	AI478373,
			polynucleotides comprising a	AW302194,	AI423507,	AW302194, AI423507, AI916231,	AI627973,
			nucleotide sequence described by	AW173486,	AI086574,	AW173486, AI086574, AI701146,	AI521715,
			the general formula of a-b, where a	AI917438,	AI678790,	AI925944,	
			is any integer between 1 to 503 of	AA760715,	AA760715, AI904742,	AI582603,	AI990352,
			SEQ ID NO:1383, b is an integer of	AI951007,	AI951007, AI655622,		AW173518,
			15 to 517, where both a and b	AI393071,	AI393071, AW236096,		AI022200,
			correspond to the positions of	AI024409,	AI393059,		AA888360,
			nucleotide residues shown in SEQ ID	AI206995,	AI077536,		AI452440,
			NO:1383, and where b is greater	AW194978,	AI076106,		AA969379,
			than or equal to a + 14.	AA551593,	AA551593, AI223442,	AI302211,	AI968178,
				AI571592,	AI241002,	AI241002, AL034553,	D86198, AF007875,
				AB004789			
1384	HWLVU14	876182	Preferably excluded from the	AI347147,	AI347147, AI738411,	AI439130,	AA514394,
			present invention are one or more	AA595253,	AA595253, AI269359,	AW028586, AI936898,	AI936898,
			polynucleotides comprising a	AI739648,	AW242697,		AA081901,
			nucleotide sequence described by	AI739639,		AW157368, AI739255, AI393079	AI393079,
			the general formula of a-b, where a	AI244459,		N99765, A	AA226866, N99765, AW418654, AA480225,
			is any integer between 1 to 1216 of	AA905814,		AA905814, AA999828, AC007501, U80736	U80736
			SEQ ID NO:1384, b is an integer of				
			15 to 1230, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
	_		NO:1384, and where b is greater				
			than or equal to a + 14.				
1385	HOVCI12	876183	Preferably excluded from the	AA307780, AI923248	AI923248		
			present invention are one or more				
_			polynucleotides comprising a				
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 368 of				
			SEQ ID NO:1385, b is an integer of				

			15 to 382, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					_
			NO:1385, and where b is greater					_
			than or equal to a + 14.					
1386	HCYBB01	876184	Preferably excluded from the	AW188031,	AI922934,	AW188031, AI922934, AA504414, AI536863,	AI536863,	
			present invention are one or more	AA744849,	AA972022,	AA744849, AA972022, AA309130, AI569395,	AI569395,	_
			polynucleotides comprising a	AA135144,	AI570856,	AA135144, AI570856, AW021626, AA904846,	AA904846,	
			nucleotide sequence described by	AA962329,	AA737604,	AI351478,	AA962329, AA737604, AI351478, AI560610, AA765375	AA765375
			the general formula of a-b, where a					
			is any integer between 1 to 1188 of					
			SEQ ID NO:1386, b is an integer of					
			15 to 1202, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					_
			NO:1386, and where b is greater					
			than or equal to a + 14.					
1387	HCRPM32	876187	Preferably excluded from the	AA019767,	AA213771,	H86330, H	AA019767, AA213771, H86330, H85652, H86775	75,
			areant invention are no more	TOLOGOTA FEESBEE	701001	•		
	_		יייייייייייייייייייייייייייייייייייייי	יייייי אי	101061			
			polynucieotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
_			is any integer between 1 to 561 of					
			SEQ ID NO:1387, b is an integer of					
			15 to 575, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					_
_			NO:1387, and where b is greater					
			than or equal to a + 14.					
1388	HLDNV31	876192	Preferably excluded from the	AI741793,	AW003635,	AI741793, AW003635, AA425065, AL044729,	AL044729,	
			present invention are one or more	AI825212,	AI333124,	AI825212, AI333124, AW102958, AA699738,	AA699738,	
			polynucleotides comprising a	AW014983,	AI580520,	AW014983, AI580520, AA653341, AI248768	AI248768,	
			nucleotide sequence described by	AW057987,	AA961070,	H11570, A	AW057987, AA961070, H11570, AA913775, AI425117,	425117,
			the general formula of a-b, where a	AI452997,	AI937807,	AI452997, AI937807, AL039909, AL041387	AL041387,	
			is any integer between 1 to 1658 of	AA398627,	AI223186,	T87214, A	AA398627, AI223186, T87214, AL045603, AI638724,	638724,
			SEQ ID NO:1388, b is an integer of	AA644230,	R45377, A	I700094, T	AA644230, R45377, AI700094, T74013, Z21364,	64,

			15 to 1672, where both a and b	AA749051,	F10219, R14	1519, AI24	AA749051, F10219, R14519, AI242930, R40666,
				R21286, F1	2602, AA88	7964, H114	R21286, F12602, AA887964, H11462, AA416562,
			nucleotide residues shown in SEQ ID	Z21365, AI	890224, R4	1179, AA82	Z21365, AI890224, R41179, AA829590, AA417298,
			NO:1388, and where b is greater	AA653411,	AA653411, AA837654, AI221436, AA493103	AI221436,	AA493103,
			than or equal to a + 14.	AW082244,	R14339, AA	355888, AW	AW082244, R14339, AA055888, AW389658, T67466,
				T97917, RC	T97917, R08296, AB002326	2326	
1389	HCRNN03	876193	Preferably excluded from the	AC005219			
			present invention are one or more				
			polynucleotides comprising a				
_			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 434 of				
			SEQ ID NO:1389, b is an integer of				
			15 to 448, where both a and b				
			correspond to the positions of				
			The residues shown in SEC ID				
			יייים יייים דרב דרב ביייים				
			NO:1389, and where b is greater				
			than or equal to a + 14.				
1390	HTPIQ89	841948	Preferably excluded from the	AI808815,	AI808815, AI457550, AI911077,		AI658931,
			present invention are one or more	AI916359,	AI916359, AW009684, AW072228,	AW072228,	AA579578,
			polynucleotides comprising a	AA622141,	AA295027, AA552628, AA594836	AA552628,	AAS94836,
			nucleotide segmence described by	AASSTR33	AT167645	AA576815	7212114 M232220 AF114127
			I programmed the second			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1 2 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
			the general rolmula or a-D, where a	ABUISOUS, ALLISTOPE	ALL3/668		
			is any integer between 1 to 868 of				
			SEQ ID NO:1390, b is an integer of				
			15 to 882, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1390, and where b is greater				
			than or equal to a + 14.				
1391	HWLQD01	876200	Preferably excluded from the				
			present invention are one or more				
			polynucleotides comprising a				
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 409 of				

		N24236, AI742828	T25873, AW024164, C06355, AI476066, H79253, C06056, R78935, AI436456, AI064830, AL121270, AL047042, AL046849, AI149772, AI686926, AL045500, AI433157, AL047763, AI433976, AL040243, AW117882, AW071349, AI608667, AI77575, AI19049, AI644207, AI580190
SEQ ID NO:1391, b is an integer of 15 to 423, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1391, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 842 of SEQ ID No:1392, b is an integer of 15 to 856, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1392, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more persent invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 627 of SEQ ID NO:1393, b is an integer of 15 to 641, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1393, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 698 of
	876201	876206	876207
	HISAQ01	HCRMC10	HWABD53
	1392	1393	1394

	CEO TO MO.1394 h is an integer of	10701176	SCANANTA	PTEOCOST	07710CTK	
	15 to 710 where both a and b	AT.036980	AL036146		AT687728	
	correspond to the positions of	AI868831,	AI349645,	AW268253,	AI312152,	_
	nucleotide residues shown in SEQ ID	AI345735,	AL119748,	AI567351,	AI620284,	
	NO:1394, and where b is greater	AI349937,	AI538716,	AI469532,	AI699857,	•
	than or equal to a + 14.	AW089572,	AI497733,	AI818683,	AW169653,	
		AI340582,	AW071417,	AW301409,	AL135661,	-
		AI349004,	AI597750,		AI873731,	
_		AI863014,	AI590128,	AI800453,	AW087445,	
_		AI521012,	AI282655,	AW162071,	AI349256,	
		AL036396,	AW195957,	AI250293,	AI678302,	_
		AI568870,	AW274192,	AW148320,	AI343112,	
_		AI702406,	AW303152,	AL036802,	AI758437,	
-		AW103371,	AI440239,		AI687376,	
		AIB00433,	AW238730,	AIS97918,	AI349933,	
		AI934036,	AI679724,	AW068845,	AI500553,	
		AI635461,	AI439087,	A1207510,	AL048871,	_
		AL121365,	AI635942,	AI857296,	AI475371,	
		AI564719,	AI349614,	AI920968,	AI348897,	
-		AL038778,	AI866608,	AI499131,	AI815383,	-
_		AI281773,	AI631107,	AI499393,	AI874109,	_
		AI697137,			AI285735,	
		AI334902,	AI445432,	AI625079,	AL036274,	
		AI906328,	AI609592,		AI475134,	
-		AL120854,	AI862142,		AI613017,	
		AI500659,			AI498579,	
		AI702433,				
		AI919058,	AI633419,	AI866002,	AI952114,	
		AA585422,		AW074869,	AI568855,	
		AI889203,		AL120736,	AI536685,	
		AI539771,	AW167776,	AI671679,	AI610307,	
		AI224992,	AI283941,		A1696846,	
_		AA640779,	AA613907,	AI909666,	AI673256,	
		AI366549,		AI349598,	AL040169,	-
		AA572758,	AL036759,	AI818206,	AA508692,	
_		AI340519,	AI690751,	AI340519, AI690751, AI349226, AI568854	AI568854.	-

					anna a	
		AI567632, A	AI271786,	AI269696,	AI889839,	,
-		AL038779, A	AW302965,	AI682841,	AL121014,	
		AW166645, A	AW075351,	AI753683,	AW080838,	
		A1684265, A	AI318569,	AI866780,	AI811353,	
		AI307466, A	AI366991,	AI907070,	AI446606,	
		AW302992, A	AI866887,	AI969601,	AL047041,	_
		AI679764, A	AI859733,	AI469811,	AI754897,	
		A1439745, A	AI628205,	AI281762,	AI343059,	
		AI811863, A	AI580984,	AL043326,	AI270055,	
		AI813914, A	AL036240,	AI282281,	AI434281,	
		AI802542, A	AL036260,	AW026882,	AI610645,	
		AI499512, A	AW235035,	AW268072,	AI696398,	
		AI800411, A	AW269097,	AI624668,	AI569616,	
		AI909662, A	AI445025,	AI921379,	AI312428,	
		AI251485, A	AW085799,	AI274541,	AW104724,	
_		AL036247, A	AI570384,	AI591311,	AW183130,	
		AW132121, A	AI678989,	AI309401,	AI446628,	
		AI620868, A	AL121463,	AL036631,	AW118557,	
		AL042753, A	AI969567,	AI609331, AI269205	AI269205,	_
		AI282903, AI432229, AI653541, AI340603,	1432229,	AI653541,		148979,
		AF090900, AL133640, AL117460, AL133606	L133640,	AL117460,	AL133606,	
		AF090903, S	78214, AF	'090934, AI	AF090903, S78214, AF090934, AF113694, L31396,	, ,
		L31397, AJ2	42859, AI	,050146, SE	L31397, AJ242859, AL050146, S68736, AL049452,	2,
		I89947, AF0	90943, AF	'078844, AI	I89947, AF090943, AF078844, AL117457, AF125949,	949,
		AL080060, AF090901, AF113013, AL050393,	F090901,	AF113013,	AL050393,	
		AF118070, A	F113691,	AF118064,	AF118070, AF113691, AF118064, A93016, AL133016,	016,
		AL110221, A	L110196,	Y11587, AI	AL110221, AL110196, Y11587, AL137527, U42766,	, ,
		AF104032, A	L049938,	AF113690,	AF104032, AL049938, AF113690, AL050149, I89931,	931,
		AF090896, AL122050, AR059958, AF113689	1122050,	AR059958,	AF113689,	
_		AL050116, A	L050108,	AL049314,	ALO50116, ALO50108, ALO49314, A08916, AF113676,	676,
		AL133075, X	84990, AF	113677, AE	AL133075, X84990, AF113677, AB019565, AF106862,	862,
		AL049466, AL133557, AL096744, AF017152,	L133557,	AL096744,	AF017152,	
		AL122093, A	F113019,	A08913, AI	AL122093, AF113019, A08913, AF111851, AF113699,	,669
		AL080137, AL133093, AL133080, AL080124,	L133093,	AL133080,	AL080124,	
		AL137283, A	L050277,	AR011880,	AL137283, AL050277, AR011880, Y16645, AF097996,	986,
		E03348, AL1	33565, AI	137557, AI	E03348, AL133565, AL137557, AF158248, AL122123,	123,

				E07361, 148978, U91329, AJ000937, X63574,
				AF146568, AF091084, AF125948, AL110225,
	-			AL050138, U00763, X82434, AL133560, AF079765,
-		•		AF177401, AL117583, A65341, E02349, I49625,
_				E07108, AL049300, AL117585, AL137550, AF017437,
				AL049382, AL049464, AJ238278, A08910, AF067728,
				AL117435, AS8524, A58523, A08912, S61953,
				AL050024, A77033, A77035, X70685, AL122110,
				AF091512, I33392, AL137648, A08909, AC006371,
				AL133113, A03736, X96540, A12297, AF118094,
				Z82022, AF183393, E05822, AL122098, AL137271,
				AL137538, AL049283, AF061943, AC002467, I03321,
				U72620, AC002464, U35846, AC007390, AL137463,
	-			X72889, AL080127, AL137523, U80742, AC005992,
				I09360, AC006840, X65873, AL096776, X98834,
				AF087943, AL110197, AC004686, AF042090, Y09972,
				X93495, AL133072, AL122049, AC004227, AL137521,
				AC006336, U95739, E08263, E08264, L13297,
				AC004987, U67958, I17767, AL133568, AC004093,
				ALO22147, AL080159, AF061981, U68387, U49908,
				M30514, AC006039, AL137429, AF026124, AL078630,
				I42402, AR013797, AC007392, AL035067, AC007172,
				AL133077, I26207, AL137526, AL137560, E15569,
				AC004200, AJ012755, AL050172, AC004690,
				AF100931, A93350, I66342, AL137533, AL035587,
				AL022165, AC007298, AF111112, AF000145,
				AR000496, U39656, AF026816, AF081197, AF119337,
				AC005291, AC004383, I00734, AF057300
1395 HKC	HKCSF17 87	876208	Preferably excluded from the	
	_		present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
		-	the general formula of a-b, where a	
			is any integer between 1 to 906 of	
	_		SEQ ID NO:1395, b is an integer of	

		5,	
		N73546, AI694413, AW271652, AI082035, AI912946, AI719718, AA024658, W24189, W24182, AW015394, T79755, AA988043, AI709339, AI510754, AI656335, AL031983, AC006137	AIO88609, AI742316, AI264197, AI803475, AI307145, AII29474, AA442089, AI886144, AI249368, AI864189, AIS84049, AI696838, AWOS8403, AA428062, AI913435
15 to 920, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1395, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more present invention are one or more polynuclectides comprising a nuclectide sequence described by the general formula of a-b, where a is any integer between 1 to 1087 of SEQ ID NO:1396, b is an integer of 15 to 1101, where both a and b correspond to the positions of nuclectide residues shown in SEQ ID NO:1396, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 414 of SEQ ID NO:1397, b is an integer of 15 to 448, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1397, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 749 of SEO ID NO:1398, b is an integer of
	876209	876213	876215
	HTDAI12	н Y АВВ <i>S7</i>	HWLVN09
	1396	1397	1398

			15 to 763 where both a and h				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1398, and where b is greater				
			than or equal to a + 14.				
1399	HOHAU02	876220	Preferably excluded from the	AI903943,	AI903949,	AI903943, AI903949, AL035420, AC005082,	AC005082,
			present invention are one or more	AC008064, AL022727	AL022727		
			polynucleotides comprising a				
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 305 of				
			SEQ ID NO:1399, b is an integer of				
			15 to 319, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1399, and where b is greater				
			than or equal to a + 14.				
1400	HCRN143	876224	Preferably excluded from the	AA313797,	W73983, AV	4374097, AA	AA313797, W73983, AW374097, AA824282, AI207345,
			present invention are one or more	226317			
			polynucleotides comprising a				
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 1561 of				
			SEO ID NO:1400, b is an integer of				
			15 to 1575, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1400, and where b is greater				
			than or equal to a + 14.				
1401	HWLGV14	876226	Preferably excluded from the	AI110653,	AA573785,	AI110653, AA573785, AI421829, AI889106	AI889106,
			present invention are one or more	AI815098,	AW082282,	AI815098, AW082282, AW151910, AA309046,	AA309046,
			polynucleotides comprising a	AW251068,	AI688082,	AW251068, AI688082, AI935867, AA903732,	AA903732,
			nucleotide sequence described by	AI342309,	AI469758,	AI342309, AI469758, AI301940, AI336447,	AI336447,
			the general formula of a-b, where a	AI660665,	AI625318,	AI660665, AI625318, AI636809, AIS59518,	AIS59518,
			is any integer between 1 to 1299 of	AI216199,	AA974182,	AI216199, AA974182, AI336445, AI476296	AI476296,
			SEQ ID NO:1401, b is an integer of	AI272699,	AAB65622,	R95048, A	AI272699, AAB65622, R95048, AI832439, AI908555,

	-		correspond to the positions of	AW079674, AW276067, H71284, AI290972, AI659188, H41084, H99231, AI865986, AI333305, R75335, A13336, A
	-		NO:1401, and where b is greater	AIP14303, AIS90410, AIZ303, AA38/021, K40304, R94963, AA639087, D45438, C20912, AI274107,
	-		than or equal to a + 14.	AI720940, H70884, AA372940, AW250334, H15022,
				AI244423, AW192993, AA935031, AI199655,
				A1199654, H15021, A1832803, AA593195, AW269879, AA886276, A1225252, R45920, AF115384, AC006479
1402 H	HCYBM15	876228	Preferably excluded from the	AA305646, D57483, C14389, D80391, D59787,
			present invention are one or more	D80196, D81026, D80253, D80522, D58283, D80366,
	•		polynucleotides comprising a	D51022, D80227, D59859, D59467, D80043, D51423,
			nucleotide sequence described by	D80022, C14331, D59275, D80166, D80195, D59619,
			the general formula of a-b, where a	D80210, D51799, D80164, D80240, D59927, D59502,
			is any integer between 1 to 516 of	D81030, D50979, D59889, D80248, D80212, D80251,
			SEQ ID NO:1402, b is an integer of	D50995, D80269, D80188, D80219, C15076, D80038,
			15 to 530, where both a and b	AA305578, D80133, D59610, D80024, AA305409,
			correspond to the positions of	D80193, D80378, AA514186, AW177440, AA514188,
_	_		nucleotide residues shown in SEQ ID	D80241, C75259, C14429, AW178893, D80045,
			NO:1402, and where b is greater	D51060, AW377671, T03269, AW360811, AW179328,
			than or equal to a + 14.	D80132, C14014, D58253, AW378532, AW375405,
				AW177501, AW177511, C05695, AW178762, D59373,
				D80134, D80268, AW366296, AW360844, D80439,
_				AW360817, D51250, AW375406, AW378534, AW179332,
			,	AW377672, AW179023, AW178905, T11417, AW178775,
_				AW369651, AW177505, AW179024, AW352158, F13647,
				D80949, AW352117, D80302, AW176467, AW352171,
_				AW377676, D80247, AW178906, AW352170, AW177731,
				AW178907, AW179019, AI910186, AW360841,
				AW179020, AW178909, AW177456, AW179329,
				AW178980, AW177733, AW378528, AW178908,
				AW178754, D51079, AW179018, AW352174, AW179004,
				AW179012, AW360834, AI905856, D51103, AW178914,
				AW378525, C06015, AW367967, D80157, AW177722,
				D59627, D58101, D59503, AW17728, AW179009,
				D51759, AW178774, AW178911, AW378543, AW352163,
				AW378540, AW178983, Z21582, AW178781, T48593,

-			D59653, C14227, D51213, D45260, AW352120,
			D51097, D80064, H67854, C03092, AW378533,
			AA809122, H67866, D81111, AIS57751, AW367950,
			AI525917, AI525923, D80014, T03116, AI557774,
			.D59317, D50981, D58246, AW178986, D45273,
			D80258, C14344, D51221, D59474, D60010,
			AW177734, AIS25920, AA514184, AIS35686, C14957,
			C14407, D59551, AI525227, D60214, AI525912,
-			C14046, AI525235, C16955, Z33452, AI525242,
			AI525222, AI525925, C14298, T03048, AW378539,
			AI525215, AI525228, D80168, T02974, AW378542,
_			C05763, AI525928, AW360855, AI525237, H67858,
			C04682, T02868, D51053, D51231, A62300, A62298,
			AR018138, A84916, AJ132110, AF058696, AR008278,
			AB028859, X67155, Y17188, D26022, A25909,
			Y12724, A67220, D89785, A78862, D34614, D88547,
			X82626, A82595, I82448, A94995, AR060385,
		-	AB002449, AR025207, AR008443, I50126, I50132,
			I50128, I50133, AR066488, AR016514, AR060138,
_			A45456, A26615, AR052274, AR054175, AB012117,
			AR066490, Y09669, A43192, A43190, AR038669,
			AR066487, I14842, I18367, A30438, X68127,
			Y17187, AR008277, AR008281, A63261, D50010,
			A85396, D88507, AR066482, X64588, A44171,
			A85477, I19525, A86792, AR062872, A70867,
			AR016691, AR016690, U46128, X93549, AR008408,
			A64136, A68321, I79511, D13509, AR060133,
			AF123263, X72378, AR032065, U79457, AR008382
1403 HTXOUS6	876229	Preferably excluded from the	AA897516, AW408837, AA975111, AI375439,
		present invention are one or more	AW058357, AI831278, AA429693, W17288, N92884,
		polynucleotides comprising a	AI800566, H90037, W25564, N89755, AW075779,
		nucleotide sequence described by	N90701, H64915, H64916, AA019995, AA864899,
		the general formula of a-b, where a	AF177934, L47207, I36298, X97874
		is any integer between 1 to 1396 of	
	-	SEQ ID NO:1403, b is an integer of	

			15 to 1410, where both a and b correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1403, and where b is greater than or equal to a + 14.	
1404	HHFCN93	876232	Preferably excluded from the	AA769099, AW051928, AI701149, AW166012, H14423,
			present invention are one or more	AA972142, AI339332, N92764, R59745, AA100558,
			polynucleotides comprising a	AI383947, AA347767, AA015757, AI338203,
			nucleotide sequence described by	AA347768, D81417, H72916, AA805417, D20390,
			the general formula of a-b, where a	AI025219, R52023, H14749, AA504717, AC006366,
			is any integer between 1 to 1428 of	255318
			SEQ ID NO:1404, b is an integer of	
			15 to 1442, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1404, and where b is greater	
			than or equal to a + 14.	
1405	H2CBC05	876236	Preferably excluded from the	AI743549, AI953907, AW444710, AI457576,
			present invention are one or more	AA452352, AI744355, AW169608, AA452129,
			polynucleotides comprising a	AA809771, AI284062, AA307160, AW363101,
			nucleotide sequence described by	AI865348, AA907553, AI620087, AI936509,
			the general formula of a-b, where a	AA618311, AA456277, AA454662, AA173381,
			is any integer between 1 to 1675 of	AA534032, AI369959, AW000933, AW298707,
			SEQ ID NO:1405, b is an integer of	AW363100, AA478933, N90372, AI186424, C14331,
			15 to 1689, where both a and b	D80166, AA809122, D80439, D80247, D59619,
			correspond to the positions of	D80210, D80240, AIS57751, D59927, D81026,
			nucleotide residues shown in SEQ ID	D80022, D81030, D80219, D80212, D80133, C14389,
			NO:1405, and where b is greater	AA305409, C14014, D80391, D59787, D59859,
			than or equal to a + 14.	AAS14186, D59502, D51423, D51799, D80253,
				D80043, C14344, D80522, D51060, D80196, D80157,
				D80268, C15076, D80248, D80366, D80195, D58283,
				D80188, D80164, D59467, D51022, D59275, D80038,
				D80227, D50995, D59610, D57483, D80193, D80045,
				D80269, D59889, D59653, D50979, D80024,
				AA305578, D51759, D80302, AA514188, AW360811,
				T03269, D80241, D80251, AI535686, AW377671,

	D80378,	D80378, D51103, C06015, AW177440, T03116,
	AI525923	AI525923, C05695, AW178893, D45260, C75259,
	D58246,	D58246, D59373, AW375405, AW360844, H67866,
	C14407,	C14407, C03092, H67854, C14973, AW366296,
	AW177501	AW177501, AW178906, AW177511, AW360817,
	AW179328	AW179328, AW179020, T48593, AW375406, AW378534,
	AW352171	AW352171, AW179332, AW377672, AW179023,
	AW178905,	5, D80064, AW177731, AW378528, AW178762,
	AW178754,	4, AW179019, AW179024, AW377676,
-	, AW378532,	
	AW360841,	1, AW352120, D51221, C14227, AW177505,
	AW178775,	5, F13647, D80258, AW178909, AW177456,
	AW179004,	4, D59503, AW352170, D51250, AW178986,
	AW178907	AW178907, AW177733, AW178908, AW179018,
	AW352158	AW352158, AW178971, AW360834, AW352117, D59317,
	D80014,	D80014, D59474, N66429, AI525920, AW177734,
	AW378533	AW378533, D80949, AA514184, AW367950, D58101,
	AW179005	AW179009, AW179012, AW178980, AW178914,
	AW17877	AW178774, AW178781, AW378543, AW378540,
	, A155777	AI557774, C14957, D60010, H67858, AW179013,
	D59551,	D59551, D80168, C14298, AI525235, Z30160,
	AW17875	AW178759, AIS25215, AW178911, AIS25227,
	AW37852	AW378525, C14046, AW352163, AW378539, AI525912,
	D80228,	D80228, AW177728, D59695, Z33452, AA285331,
	D51053,	D51053, D45273, AI525242, C16955, D59627,
	D51213,	D51213, AW378542, C05763, AI525925, AI525222,
	T02974,	T02974, D13645, A62298, A84916, A82595,
	AR018138	AR018138, A62300, A30438, AR008277, AR008281,
	Y17188,	Y17188, Y17187, AR008278, AF058696, AR060385,
	AB028859	AB028859, AJ132110, AB002449, I50126, I50132,
	150128,	IS0128, IS0133, U46128, AR016691, AR016690,
	X82626,	X82626, AR016514, I14842, X67155, AR060138,
	A45456,	A45456, A94995, D26022, A26615, AR052274,
	A43192,	A43192, Y12724, A43190, AR038669, A25909,
	AR066481	AR066488, Y09669, AR066487, X68127, A67220,
	D89785,	D89785, A78862, D34614, AR054175, AR008443,

				A63261, D8	8547, D500	A63261, D88547, D50010, AR062872, A70867,	10867,
				D13509, AR060133, AF123263	060133, AF	123263	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
1406	HTEPE28	876238	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 694 of SEQ ID No:1406, b is an integer of 15 to 708, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID No:1406, and where b is greater than or equal to a + 14.	AA205046, AI825541,	AA205046, AA383391, AI1846 AI825541, AI469846, D42084	AA205046, AA383391, AI184616, AA223825, AI825541, AI469846, D42084	22 ° ,
1407	HUSGL79	B76239	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 824 of SEQ ID NO:1407, b is an integer of 15 to 838, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1407, and where b is greater than or equal to a + 14.	AA045573, AB010812,	AA279920, AC004520,	AA045573, AA279920, R20139, AA372783, H21473, AB010812, AC004520, AF125534, AC007225	3, H21473, 225
1408	HPMFU84	876259	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 918 of SEQ ID NO:1408, b is an integer of 15 to 932, where both a and b correspond to the positions of	AI017564, AA806993, AI024655, AA362512,	AA809290, AA405339, AA262702, T88993, A	AID17564, AA809290, AW02023, AA405338, AA806993, AA405339, AA888974, AA236935, AIO24655, AA262702, H49789, AI524770, N77703, AA362512, T88993, AA328171, C01908, U43374	338, 935, 0, N77703, U43374

			michalde reciding chown in CEO ID	
			NO:1408, and where b is greater	
			than or equal to a + 14.	
1409	HDLAD09	876260	Preferably excluded from the	W79877, Z42158
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 751 of	
			SEQ ID NO:1409, b is an integer of	
	-		15 to 765, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1409, and where b is greater	
			than or equal to a + 14.	
1410	HCQAW45	876261	Preferably excluded from the	AI829532, AL008582
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 518 of	
			SEQ ID NO:1410, b is an integer of	
			15 to 532, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1410, and where b is greater	
			than or equal to a + 14.	
1411	HCYAC01	876265	Preferably excluded from the	AA308914, AA308913, D59927, D50979, D80227,
			present invention are one or more	D58283, D80188, D80253, D80195, D80043, D59275,
			polynucleotides comprising a	D80269, D59502, D59859, D80022, D80166, D80366,
			nucleotide sequence described by	D81030, D51423, D59619, D80210, D51799, D80391,
			the general formula of a-b, where a	D80240, D59787, D80378, D80038, D80212, D80045,
			is any integer between 1 to 538 of	D80193, D80196, D80164, D80219, D57483, C14389,
			SEQ ID NO:1411, b is an integer of	D59889, D50995, D80024, D59467, D59610, C14331,
			15 to 552, where both a and b	C15076, C14429, D80241, D51060, AA305409,
			correspond to the positions of	T03269, D80522, D58253, C75259, C14014,

	nucleotide residues shown in SEQ ID	AW178893, D81026, D80134, AA305578, D51022,
	NO:1411, and where b is greater	AW179328, D51250, D80268, AW177440, F13647,
	than or equal to a + 14.	AW378532, AW178775, D80251, D80949, AW369651,
		D80168, D59695, AA514188, D52291, D51079,
		C14227, AW352158, D80248, AI910186, D81111,
		AW178762, AI905856, AW177501, AW177511,
		AA514186, D80133, AW360811, Z21582, C14298,
		D80064, C05695, AW352117, C14407, AW176467,
		AW375405, AW377671, D80132, AW360834, AW378540,
_		D80302, AA285331, AW366296, AW360844, AW360817,
		AW375406, AW378534, D51097, AW179332, AW377672,
_		AW179023, AW178905, AW352171, AW377676, D80439,
		AW178906, AW352170, AW177731, AW178907,
		AW179019, AW179024, D59373, D80247, AW179220,
_		D80014, AW177505, AW360841, AW179020, AW178909,
		T11417, AW177456, AW179329, AW178980, AW177733,
		AW378528, AW178908, AW178754, AW179018,
		AI557751, D51103, AW179004, AW179012, C06015,
		AW352174, AW178914, T03116, AW378525, AW367967,
		D80157, AW177722, D51759, AW179009, AW177728,
		AW178774, AW178911, AW378543, AW352163, D80258,
		AIS57774, AA809122, D59653, AW178983, AW352120,
		AW178781, D45260, T48593, D59627, T02974,
		C03092, AI535850, AW177723, H67854, H67866,
		AW378539, AI525923, D59317, D51213, D45273,
		C14975, T03048, D59503, AW367950, AW178986,
		D59474, AA514184, AI525917, AI525227, D58246,
		D60010, C14973, C14344, AW378533, C14957,
		D59551, AIS35686, D51221, AW177734, AI525920,
		D60214, D58101, AI525242, C14046, AI525912,
		AI525235, C16955, AI525925, AI525237, AI525215,
		AW378542, C05763, Z33452, AI525222, AW360855,
		T02868, D31458, C04682, H67858, AI525928,
		C13958, U49017, A84916, AJ132110, A62300,
		A62298, AR018138, X67155, Y17188, D26022,
_		A25909, A67220, D89785, A78862, D34614, D88547,

				AR008278, AF058696, X82626, AB028859, I82448,
				AR025207, Y12724, AB012117, A82595, X68127,
				AB002449, AR060385, AR016808, A85396, AR066482,
				A44171, A94995, A85477, I19525, A86792, U87250,
				X93549, AR008443, I50126, I50132, I50128,
				I50133, AR016514, AR066488, AR060138, A45456,
				A26615, AR052274, I14842, Y09669, AR066487,
				A43192, A43190, AR038669, AR054175, A30438,
			,	AR066490, Y17187, I18367, A63261, AF135125,
				D88507, AR008277, AR008281, D50010, AR062872,
				A70867, AR016691, AR016690, U46128, AR008408,
				I79511, A64136, A68321, AB033111, D13509,
				U87247, AR060133, AR064240, AF123263, AR032065,
1412	HCPOE86	876766	Dreferably evoluded from the	DISECULA ASSESS
7111	TICKOT OR			CECOLAL, MODERAL MODERAL MANAGERY AND COLOR AN
			present invention are one or more	K13756, Z43027, F07990, F06224, AA326226,
_		_	polynucleotides comprising a	AW388196, AW388234, AW388225, AW388262,
			nucleotide sequence described by	AW388176, AW388206, AW388208, AW388214,
			the general formula of a-b, where a	AW388253, AF086275, AB024057, AB017114, U88873
	_		is any integer between 1 to 1086 of	
			SEQ ID NO:1412, b is an integer of	
			15 to 1100, where both a and b	
			correspond to the positions of	-
			nucleotide residues shown in SEQ ID	
			NO:1412, and where b is greater	
			than or equal to a + 14.	
1413	H2CB183	876269	Preferably excluded from the	AA403070, AA313305, AA361460, T78498
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 549 of	
		_	SEQ ID NO:1413, b is an integer of	
			15 to 563, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	

			NO:1413, and where b is greater	
			than or equal to a + 14.	
1414	H2LAW73	876270	ı	AA315703, AI796815, T99503, AI049875, D80022,
			present invention are one or more	D80391, D59787, D80253, D81026, D80196, C14389,
			polynucleotides comprising a	D80522, D80366, D80195, D59502, D59467, D80164,
			nucleotide sequence described by	D59275, D80227, D58283, AA305578, D80193,
			the general formula of a-b, where a	D80043, D50979, D59859, C14331, D80166, C15076,
			is any integer between 1 to 569 of	DS1423, D59619, D80133, D80210, D51799, D80240,
			SEQ ID NO:1414, b is an integer of	D80212, D50995, D81030, D80269, D80248, D80038,
			15 to 583, where both a and b	D80188, D80219, D59927, D80251, D57483, D59610,
			correspond to the positions of	D80378, AA305409, D51022, D80045, D59889,
			nucleotide residues shown in SEQ ID	D80024, AA514188, AW177440, D80241, T03269,
			NO:1414, and where b is greater	AW178893, AW377671, AA514186, AW360811,
			than or equal to a + 14.	AW179328, C14014, AW378532, AW375405, D80268,
			•	AW352117, D51250, AW178762, D80168, AW366296,
				AW360817, AW375406, AW378534, AW352171,
				AW179332, AW377672, AW377676, AW179023,
				AW178905, AW178754, AW179024, D52291, D80302,
				F13647, AW179020, AW177456, D80439, T11417,
				AW178906, AW177731, AW178907, AW179019,
		-		AW179018, D80247, C06015, AW378528, AW178908,
_				D51103, Z21582, AW360834, AW178914, AW178781,
				AW378543, AW378525, AW378540, AA593344, D80157,
				D59627, D59503, AW178774, AW352163, D58101,
				AA809122, T48593, D80064, T03116, C14227,
				D45260, AI525923, AI557774, AA285331, D51213,
				C03092, H67854, H67866, D80258, AW378533,
				D81111, D59317, AI557751, D45273, AW367950,
				AW178986, D59474, AI525917, T03048, D58246,
				AW378539, AW179013, D80014, C14973, C14344,
				AA514184, AI525227, AI535686, D51221, D59551,
				AI525920, C14407, Z30160, H67858, AI525242,
	_			AI525235, AI525925, C16955, AI525912, T02868,
				Z33452, T02974, AI525215, D31458, C13958,
				C14298, AW378542, AI525237, AJ132110, A84916,
				A62298, AR018138, AF058696, A62300, AB028859,

1415 HWMCL22 877	876274	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 404 of 15 to 418, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1415, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 499 of SEQ ID No:1416, b is an integer of 15 to 513, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID	AROBSZE, ASTISE, ATRONOGEZ, ASSUGEZ, ASSUGEZ, ASSUGEZ, ASTIGES, AS
	-	NO:1410, and where D is greater than or equal to a + 14.	
1417 HCYBM32 87	876277	Droforably oveluded from the	ANSOCAOT DELATS DELIGO DOCICE CLISCO

	present invention are one or more	D80133, D80522, D81030, D51060, D80248, D59610,
	polynucleotides comprising a	
. —	nucleotide sequence described by	D80253, AW377671, D80269, C14331, D58283,
	the general formula of a-b, where a	D80212, D50995, D80188, D59467, D51022, D80022,
_	is any integer between 1 to 428 of	D50979, D80219, D80227, D80195, AA305409,
	SEQ ID NO:1417, b is an integer of	D80391, D80164, D59275, D80038, D80043, D59787,
	15 to 442, where both a and b	D59502, D80241, D80251, D57483, D59889, D80196,
	correspond to the positions of	D80024, D59927, AA514188, C15076, C14014,
	nucleotide residues shown in SEQ ID	AA305578, D80193, D80268, AA514186, D80045,
	NO:1417, and where b is greater	D80378, D80439, AW360811, AW177440, C14429,
	than or equal to a + 14.	AW178983, C75259, AW178893, C06015, D59373,
		D80247, T03269, D80302, AW375405, AW360844,
		T11417, AW177501, AW179328, AW177511, AW366296,
		AW360817, AW375406, AW178906, AW378534,
		AW352171, AW179332, AW377672, AW179023, D80157,
		AW178905, C05695, AW378532, AW377676, D51103,
_		AW360834, D51759, D80134, AW177505, AW360841,
		AW178775, D80132, D58253, D59653, D81111,
		AW178909, AW352170, AW178762, AW177731,
		AW367967, AW178907, AW378528, AW178754,
		AW179019, AW179018, AW179024, AW352117, D51250,
		AW176467, AW369651, D45260, AW179020, AW177456,
		F13647, AW179329, AW178980, AW352158, AW178914,
_		AW177733, AW178908, AW178971, T48593, AW352174,
		AW179017, AW179004, AW178774, AW378543,
		AW179009, AW179012, D80064, D80258, C14227,
_		D58101, AW352120, AW378525, AW352163, D80014,
_		H67854, C14077, D50981, D58246, C03092,
		AI525923, T02974, AW178911, H67866, AW17722,
		AI910186, AW177728, AA514184, AA809122, T03116,
		D59503, AW367950, AI905856, AW378540, D59317,
		C14407, AI525917, AW178781, AI535959, AI525920,
	-	D45273, D51221, T03048, D60214, C14344, D59474,
_		AW178986, C14973, AW378533, AI557774, AI535850,
		AW378539, AW177734, AW177723, C14957, D60010,
		C14298, AI535686, AI525235, D59551, AI525215,

				AI557751, AI525227, D80168, C14046, D59627,
				AI525222, AW179011, AI525912, AW179013, D51213,
				AI525242, AA285331, AI525925, Z21582, D51097,
				H67858, C16955, Z33452, Z30160, AW378542,
				C05763, D80949, AW178759, AI525928, AW360855,
				AI525237, D59695, D52291, D51053, C04682,
				C06084, T02868, D50312, AF015606, D50313,
				AF015605, D50314, D88159, E12830, A62298,
				AR018138, AR008278, AF058696, A84916, A62300,
				AJ132110, AB028859, AF015607, A82595, AR008443,
				AR060385, X67155, Y17188, D26022, Y12724,
				A25909, AB002449, A94995, A67220, D89785,
				A78862, D34614, I50126, I50132, I50128, I50133,
				D88547, AR066488, AR016514, AR060138, A45456,
				A26615, AR052274, X82626, AR025207, Y09669,
				A43192, A43190, AR038669, AR066487, I14842,
				AR054175, A30438, Y17187, AR066490, AR008277,
				AR008281, A63261, D50010, I18367, X68127,
	•			AR062872, A70867, AR016691, AR016690, U46128,
				AR008408, I82448, A64136, A68321, I79511,
				AB012117, D13509, AR060133, AR066482, A85396,
				D88507, AF123263, A44171, AR032065, A85477,
				I19525, A86792, U79457, X93549, AR008382
1418	HCRPJ72	876278	Preferably excluded from the	AI346422, AI246769, AI304342, AI910457,
			present invention are one or more	AI381007, AA541292, AI129972, AA496921,
			polynucleotides comprising a	AW089855, AA627519, AA627188, AW082592,
			nucleotide sequence described by	AA923632, AA577580, AW439990, AI650301,
			the general formula of a-b, where a	AI676154, AC004080, U41813, AF010258, U81511,
			is any integer between 1 to 915 of	X13537, X13536, M28449
			SEQ ID NO:1418, b is an integer of	
			15 to 929, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1418, and where b is greater	
			than or equal to a + 14.	
1419	HKCSA58		876280 Preferably excluded from the	A15979

			present invention are one or more		
			polynuclectides comprising a		
			nucleotide sequence described by		
			the general formula of a-b, where a		
			is any integer between 1 to 230 of		
		-	SEQ ID NO:1419, b is an integer of		
			15 to 244, where both a and b		-
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
	•		NO:1419, and where b is greater		
			than or equal to a + 14.		
1420	HMWFC49	876281	Preferably excluded from the	AW410053	
			present invention are one or more		
			polynucleotides comprising a		
			nucleotide sequence described by		
			the general formula of a-b, where a		
			is any integer between 1 to 158 of		
			SEQ ID NO:1420, b is an integer of		_
			15 to 172, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1420, and where b is greater		
			than or equal to a + 14.		
1421	HMSIE02	876282	Preferably excluded from the	AW451452, AI040326, AI650832, AA313243,	
			present invention are one or more	AI650393, AI818259, AA534633, AI094737,	
			polynucleotides comprising a	AI033652, AI693411, AI341518, W30723, AW197245,	197245,
			nucleotide sequence described by	AW051598, AW291994, AI274289, AI221551,	
			the general formula of a-b, where a	AA035621, AA653321, AA634950, AA781232,	
	•		is any integer between 1 to 2279 of	AA136077, N99062, AA806117, AA136161, AA722867,	722867,
			SEQ ID NO:1421, b is an integer of	AA932876, AI435016, AI659053, AI474321, H87560,	нв7560,
			15 to 2293, where both a and b	AA843369, H21542, AA361623, N47604, N45494,	94,
			correspond to the positions of	AI907694, AA332538, H87452, AI284255, AA037342,	037342,
			nucleotide residues shown in SEQ ID	AA365059	
			NO:1421, and where b is greater		
			than or equal to a + 14.		
1422	HCRMZ34	876284	Preferably excluded from the	AA034416, AA491400, AA504783, W65331, AI885434,	885434,

			bresent invention are one or more	AT551873 AT617992 AW172551 AB216838
			polynucleotides comprising a	AA053881, AA482166, AI680567, AI184074, R43006,
			nucleotide sequence described by	AA491299, W61314, AA884262, R17801, AA888033,
			the general formula of a-b, where a	U96876
			is any integer between 1 to 1646 of	
			SEQ ID NO:1422, b is an integer of	
			15 to 1660, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1422, and where b is greater	
			than or equal to a + 14.	
1423	HTGAM27	876300	Preferably excluded from the	AA187449, AW361774, AL034396, L14787, 299130,
			present invention are one or more	AL031115
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 296 of	
			SEQ ID NO:1423, b is an integer of	
			15 to 310, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1423, and where b is greater	
			than or equal to a + 14.	
1424	HCYBI20	876304	Preferably excluded from the	AI433336, AI763355, AI911988, AI436136,
			present invention are one or more	AI609777, AI859398, AA197062, AA305389,
		-	polynucleotides comprising a	AI346370, AW271204, AA825907, AW242356,
			nucleotide sequence described by	AI910841, AI673503, AI632367, AW269183,
			the general formula of a-b, where a	AW196356, AW273255, AI304550, AI419935,
			is any integer between 1 to 3092 of	AI270299, AI247514, W01219, AI355117, N72988,
			SEQ ID NO:1424, b is an integer of	AA030042, AW007158, AA070475, AW006961,
_			15 to 3106, where both a and b	AI304462, W57671, AA876039, AA705874, AA831500,
			correspond to the positions of	H62242, AA897761, W03289, AA029912, AA305307,
			nucleotide residues shown in SEQ ID	H93491, W91963, H82187, AI245415, AA643520,
			NO:1424, and where b is greater	AW088307, H93492, R89908, AA377111, AI318375,
			than or equal to a + 14.	AI961885, AA059231, AA883186, AW139085,
				AA581261, T85676, Z40302, AA887782, AA502293,

				AW264318, H62331, R93209, R07861, AA360792,
				H82082, T29678, F01458, AA527320, H61166,
				AI270229, AI932770, AW070350, R07916, AI765901,
	<u>-</u>			F04303, N74218, AA581216, AW268185, AI334444,
				AW274341, AW268947, AA128235, AI699588,
				AA128234, AI581851, C14331, D80022, D58283,
				D59927, D80247, D80248, D80043, C14389, D80227,
				D59467, D51799, D80439, D59502, D50995, D59859,
				D80522, D80166, D80195, D51423, D59619, D80210,
				D80391, D80164, D59275, D80240, D80253, D80038,
				C14429, D81026, D80212, D80268, D80366, C15076,
	•	_		D80196, D80188, D51022, D50979, D80219, D80378,
				D59610, AA305578, AA514188, C14014, D57483,
				C03092, D59889, D80193, D80133, D80045,
				AA594216, D80024, AA514186, C06015, D80302,
				D80157, AW360811, D51103, AW177440, D59653,
	-			D51759, D80241, D80251, AW178893, T03269,
	_			AW377671, AW375405, C75259, H67866, D45260,
				H67854, T11417, AW352170, AW366296, AW178906,
				C14344, AW360844, X12901, A07400, M98454,
_				A14103, A26237, X04657, AF058696, A62300,
				A82595, A84916, A62298, AB028859, AR060385,
				AJ132110, AR018138, AR008278, AB002449, I50126,
				I50132, I50128, I50133, AR016514, AR054175,
	_			X67155, AR060138, A45456, I14842, Y17188,
_	-			A94995, D26022, A26615, AR052274, A43192,
				Y12724, A43190, AR038669, A25909, AR066488,
				Y09669, AR066487, Y17187, A67220, D89785,
		-		A78862, D34614, A30438, AR008443, A63261,
				AR008277, AR008281, AR062872, A70867, AR016691,
				AR016690, U46128, D50010, D88547, I79511,
_		-		X82626, A64136, A68321, AR008408, X68127,
	_			AR025207, AR060133, AF123263, AR032065
1425 HNF	HNEDH18	876306	Preferably excluded from the	AA297291, AA504969, AA504982, AL119401,
			present invention are one or more	AA622598, AL134137, M20317, X14448, AL035422,

			polynucleotides comprising a	U78027, M18242
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 338 of	
			SEQ ID NO:1425, b is an integer of	
			15 to 352, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1425, and where b is greater	
			than or equal to a + 14.	
1426	HWMFQ61	876308	Preferably excluded from the	AA769602, AA524145, AW007155, AI127421,
			present invention are one or more	AI826426, AI815931, AW193517, AI951907,
			polynucleotides comprising a	AA290918, AA573859, AI879177, AI912328,
			nucleotide sequence described by	AW070886, AI376231, AI352472, AW296096,
			the general formula of a-b, where a	AI956172, AA283702, AA583479, AA486429,
			is any integer between 1 to 1953 of	AI095623, N91996, AA405889, AI089975, AA493377,
			SEQ ID NO:1426, b is an integer of	AI147623, AA147930, H09366, AI879560, AI698813,
			15 to 1967, where both a and b	AI493913, AA580211, AA737974, AI476337,
			correspond to the positions of	AA423896, N24051, N32340, N66204, AA405729,
			nucleotide residues shown in SEQ ID	AA507484, AI374680, AA489431, AA157554,
			NO:1426, and where b is greater	AA147501, N35409, AA505515, AA489372, AA127433,
			than or equal to a + 14.	N55519, H15112, AA173145, N57433, AA471177,
				AW401453, N63852, T78215, AA857801, N52066,
				H09309, AA780883, AL079771, AA356048, AA769879,
				AA173273, R25268, AA127432, R46621, AI707462,
				AA807765, AI423315, AA877529, AA836375,
				AA352973, AA148410, H85254, AA356047, AA326793,
				AA678778, R53945, AA278977, N99204, AA335034,
				R07396, AA423831, AA367574, AA715745, H84922,
				AI762734, R07347, F05138, AA058460, AW339712,
				AI701737, T29480, AA995682, AI815735, N48041,
				AI362375, N35874, F01382, AA329166, AA295203,
				AI476572, AA370912, H15111, AW182730, H09397,
				AA772378, AA158205, AA564008, D19907, AW161156,
				AI540674, AI918449, AW020406, AI587121,
				AL041150, AW020397, AI491904, AI564716,

		AI923989,	AW021717,	AI923989, AW021717, AW410302,	AI224373,	
	•	AI307557,	AA464646,	AI307557, AA464646, AW020592, AI289310,	AI289310,	
		AI623941,	AI859991,	AW236692,	AI609760,	
,		AI879064,	AI267185,	AI567582,	AL042753,	
		AW020095,	AI811603,	AI621341,	AI311472,	
		AL038986,	AI049850,	AI927233,	AI656188,	
		AI560722,	AA806534,	AA502794,	AI350489,	
		AI679506,	AW020710,	AI961414,	AI633383,	
		AIS80214,	AL048871,	AI349012,	AIS21005,	
-		AL079963,	AL036705,	AI525653, AI581033	AI581033,	
		AI590943,	AI758445,	AA580663, AI432570	AI432570,	
		AA641818,	AI589428,	AW192109, AW051059,		F28295,
		AI242248,	AI741158,	AI499963, AW102798	AW102798,	
		AW021066,		AW057937, AW148876,		R36363,
_		AI638644,	AI537677,	A1434731, AW148478,	AW148478,	
_		AI141727,	AW020373,	AL048323, AI432507,	AI432507,	
		AW169784,	AL048340,		AI382313, AI587209, N22276,	22276,
		AA514684,	AI282268,		N29277, AI538764, AI440263,	40263,
		AW020419,	AI587000,	AW160905, AW162194	AW162194,	
		AI273856,		AI491710, AI891125, AW151136,	AW151136,	
		AI536685,		AI499279, AL079799, AI860027,	AI860027,	
_		AW129106,	AI697236,	AI697236, AI797538, AI458588	AI458588,	
		AI348901,	H41759, A	I500061, A	H41759, AI500061, AI372009, AW327825,	27825,
		AW022168,		AA455772, AI699865, AW020629,	AW020629,	
		AI002285,		AI279925, AW085350, AI241901,	AI241901,	
		AL138406,		AL046466, AI281757, AI270295,	AI270295,	
		AI632036,	AI471282,	AI471282, AI500514, AW073996,	AW073996,	
		 AI872423,	AI950892,	AI950892, AI341690, AW051088,	AW051088,	
_		AI890907,	AI624245,	AI890907, AI624245, AI524654, AI633125,	AI633125,	
		AI472484,	AW265582,	AI472484, AW265582, AI698391, AI538564	AI538564,	
_		AL036361,	X15653, Y	09008, A64	AL036361, X15653, Y09008, A64377, AC007637,	7,
		X89398, A	C010582, Y	X89398, AC010582, Y08975, X99018,	018, U55041,	
		 AL110292, X92986,	X92986, X	79093, A64	X79093, A64383, AB016226	6,
		AL133637,	I89947, U	49908, E01	AL133637, I89947, U49908, E01614, E13364,	
_		I48978, A	F175903, A	L050024, A	I48978, AF175903, AL050024, AL122050, AL137529	37529,
		AL137533,	A08910, A	.08909, ALI	AL137533, A08910, A08909, AL117460, AF026124,	124,

	AF145233, A08908, Y11254, AL133560, AF082526,	Г
_	M85164, X70514, AL049996, AL050172, AJ005690,	
	AR038854, AL110296, AF090900, AL080156,	
	ÅF118090, AL137258, A08913, AF094480, I08319,	
	U91329, J05277, AL049283, AF087943, A08912,	
	AF146568, AF113690, AL133080, U42766, S76508,	
	AL137523, AL035407, AL117587, AL133623, X82434,	
	E06788, E06790, E06789, AF061795, AF151685,	
	AF177401, AL137480, AF031147, AL137459, M96857,	
	AL13356B, AL137550, A91160, AL137539, AB031064,	
	A08916, E05822, AL133640, AL049347, AL050277,	
	AF118094, X06146, Y09972, E12747, A21103,	
	AF159148, S36676, X99257, X60786, Y13350,	
	AL137530, A76335, AR038969, AF111851, X63162,	
	AF079763, AF111849, AL137574, S77771, S83440,	
	S68736, A08911, AL080118, A18777, AL122110,	
_	AF061943, X67688, Y16645, AL110218, AF113699,	
	AF069506, AF141289, U86379, I48979, AJ010277,	
	189931, A77033, A77035, AF017790, Z72491,	
-	AL117457, AL133606, D16301, I89934, I49625,	
	A08907, L04849, AF065135, AF081366, S69385,	
	AL133016, AJ003118, AL096728, AL050280, U55017,	
	AL110199, AL110269, AL5345, AL117648, AL049324,	
_	A07588, AF067728, A65341, Z13966, Z82022,	
	X86693, AL122093, Y07905, AL117435, AR034821,	
	AL137555, U35846, L04504, Z97214, X98066,	
	AR020905, L13297, AL049339, AL137560, AL110221,	
	X59414, AFI58248, AL110228, AF106657, AL080148,	_
	AJ006417, AF008439, X83508, S78214, AC006112,	
	AF061981, AR013797, L04852, X76228, X66862,	
	AL137478, U02475, Y10936, AL110197, AL133112,	
	AF016394, M27260, AL023657, AF125948, AL110225,	
	AL137488, AL096751, Z35309, A18788, AF115410,	
	E01573, E02319, I33391, AL049430, X89102,	
	M85165, AL137479, AC002467, AL122049, AF118092,	
	AL117416, U95114, X92070, AL137254, AL080074,	

				751050116 AF026008 AF029138 AF039137
				AL049452, I32738, A23630, AF077051, AL110159,
				X63410, Y10655, S63521, AL049300, A86558,
_				AF090943, X79812, AL110196, AF176651, X84990,
				AB007812, E01314, Z37987, AL133075, A07647,
				AF124728, AF036268, AL122045, I66342, AL050146,
				AL137485, AL133113, AL133619, AF102578, X96540,
				AR011880, AR053103, AC004878, Y10823, AI140058
1427	HFIUZ10	876309	Preferably excluded from the	AI148053, AA449704, AW080161, AA580334,
			present invention are one or more	AA448557, AI453006, AA863038, AI277552,
			polynucleotides comprising a	AA723892, AI282002, AA879085, AI282089,
			nucleotide sequence described by	AA928469, T81791, AA258329, AI271667, R02362,
			the general formula of a-b, where a	T82108, H66854, AC004080, M74297
		_	is any integer between 1 to 865 of	
			SEQ ID NO:1427, b is an integer of	
			15 to 879, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEO ID	
			NO.1427 and where his greater	
			ווס: דיני מוות אווכדכ ח דפ אוכמרכן	
			than or equal to a + 14.	
1428	HDPJE43	876322	Preferably excluded from the	AA305011, M73047, X81323, U50194, A58393,
			present invention are one or more	M55169, A58395
_			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 507 of	
			SEQ ID NO:1428, b is an integer of	
			15 to 521, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1428, and where b is greater	
			than or equal to a + 14.	
1429	HWLWR2	876326	Preferably excluded from the	AW291224, AA027791, AI826645, AI970074, AI859242
	7		present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	

			I a second	
			the general formula of a-b, where a	
			is any integer between 1 to 292 of	
			SEQ ID NO:1429, b is an integer of	
	•		15 to 306, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1429, and where b is greater	
		i	than or equal to a + 14.	
1430	HCRNJ16	876327	Preferably excluded from the	AL135311, AA576997, N33567, AI239529, AI474303,
			present invention are one or more	AW242213, AA665114, AI003594, AA983676,
			polynucleotides comprising a	AI832948, AA890557, AA251288
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 731 of	
			SEQ ID NO:1430, b is an integer of	
			15 to 745, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEO ID	
			NO:1430, and where b is greater	
			than or equal to a + 14.	
1431	HPRAZ22	876330	Preferably excluded from the	AA634082, AA663929, AW451471, AW451304,
			present invention are one or more	AA700185, AA780866, AA634109, AA974089,
			polynuclectides comprising a	AI422746, AI422171, AW117387, AI352179,
			nucleotide sequence described by	AI934740, T29406, AA581945, N51197, AI813713,
			the general formula of a-b, where a	AW274227, AA884819, AI418378, N71535, AI250177,
			is any integer between 1 to 917 of	AI479657, AI491976, R70651, AA864343, AW051516,
			SEQ ID NO:1431, b is an integer of	C01561, AA926708, AA595570, AA913798, N47990,
			15 to 931, where both a and b	AA927688, AA465663, AW008553, AI735695,
			correspond to the positions of	AI014415, AW086054, AA731995, AI631350, N68464,
			nucleotide residues shown in SEQ ID	AA688150, N66020, AI422914, R68953, AW380659,
			NO:1431, and where b is greater	AI831007, AI057418, R24219, AW401518, AI476095,
			than or equal to a + 14.	AI492721, AA805457, AW392708, AA040547, N52290,
				AW362897, D57651, AI814638, R46574, R24220,
				AA769734, D56634, R74511, D57409, N91308,
				R78553, R77666, R46649, AI351922, R63467,
				AW090402, H80687, AI567650, R70873, T83969,

				AA370839, R23184, R68106, H04104, R78403, R68836, D56912, D56797, F01477, R23183, N30106,
				R68150,
				R48545,
				R78505,
		_		R69802, M28697, M90727, M31932, I07269, J03619,
				M90735, M28696, M31933, X52473, M31934, M31935,
╅				X1/653, L08108
1432 HW	HWLQG81	876333	Preferably excluded from the	AA832206, AA974370, W46279, AW196653, AI023212,
			present invention are one or more	AA464174, AI420451, AI948608, AI890342,
			polynucleotides comprising a	AA114888, AW300598, AI129358, AA669095,
			nucleotide sequence described by	AA504203, AA521314, AA252310, AA280044,
- 			the general formula of a-b, where a	AA165321, AI718165, AI765613, AI797687,
			is any integer between 1 to 350 of	AA877638, N69756, AI831132, AI027401, AI701050,
_			SEQ ID NO:1432, b is an integer of	AA863081, AI807828, Z40146, AA995204, T71333,
			15 to 364, where both a and b	A1935316, Z19443, A1918466, F00129, Z28882,
			correspond to the positions of	D57019, AL047889, AW369458, AA743770, AL047888,
_			nucleotide residues shown in SEQ ID	AW025464, D54675, AW149925, AW302960, AL036802,
_			NO:1432, and where b is greater	AA504439, AI927755, AL041772, AW163823,
	-		than or equal to a + 14.	AW162194, AI866608, AL036274, AL041562,
				AL119863, AW238730, AL045500, AI699865,
	-			
				AI433157, AI698391, AI929108, AW026882,
				AI620284, AL079963, AI254727, AA640779,
				AA613907,
				AW161156, AI064830, AL039086, AW020693,
				AW268768, AW300782, AI349933, AL036403,
	_			AW082113, AW300889, AL119791, AI309401,
-				AW172745, AL036396, AL048656, AI349598,
-				AL041150, AW020397, AI589428, AI783504,
				AI284517, AW161579, AW198075, AI567351,
				AL047344, AI813914, AL080046, AW089572,
				AI610293, AI753683, AW074993, AL079960,

_	AL040169,			AI950892,
	AI312152,	AI815232,		AI468872,
	AW160916,	AW162071,	AI349937,	AL036638,
	AI348897,	AI345180,	AW150578,	AI625464,
	AW302965,	AL047042,	AI252414,	AW080402,
	AI802542,	AI633125,	AW087445,	AI868931,
	AI348901,	AW071417,	AI864836,	AL036673,
	AW301300,	AL037582,	AL037602,	R36271, AW161202,
	AI270183,	AI521012,	AI312428,	AW023859,
	AL118620,	AW163554,	AL135022,	AI702073,
	AL046931,	AI610645,	AI539771,	AI349614,
	AL038605,	AI343112,	AW302992,	Z99428, AI866770,
	AI473536,	AI499963,	AL080045,	AI560012,
	AI366549,	AL121014,	AI567582,	AI345735,
	AL043355,	AI801325,	AI815855,	AL038779,
	AL119748,	AL036980,	AI889189,	AL134830,
	AI890507,	AW068845,	AI612885,	AA579618,
	AI636456,	AI866820,		AL119049,
	AI358701,	AI497733,	AL121365,	AA528822,
	AI754897,	AI091468,	AIS00662,	A1440263,
	AL040241,	AI472536,	AW022808,	AI697324,
	AI251221,	AA493647,	AI538850,	F37471, AW301409,
	AI884318,	AI860783,	AI624293,	AI345688,
	AL036146,	AL039716,	AW074869,	AI307543,
	AL047100,			
	AL037030,			
	AI349256,	AW075207,		AI343037,
	AW403717,	AI669864,	AW020419,	AW149236,
	AL036901,	AI682841,		AL120695,
	AI613038,	AA580663,	AI568114,	AL119399,
	AI537837,	AI537837, AI683395, AL040456, AL036240,	AL040456,	AL036240,
	AI536685,	AI536685, AI307604, AL036631, AI538716,	AL036631,	AI538716,
	AA641818,	AC002350,	AL096744,	AA641818, AC002350, AL096744, I48979, U35846,
	I89947, A	L122050, I	09499, I48	I89947, AL122050, I09499, I48978, Y16645,
	AL110196,	AL117457,	UB7620, A	AL110196, AL117457, U87620, AF090903, Y11587,
	AF177401,	AF177401, AF090943, E07108, AL133075,	E07108, A	L133075, AL050116,

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	AF090900, A08916, AL133606, AF078844, AL137538,	AL137538,
	A08910, AL049382, AF146568, AF090934, A65340,	A65340,
	AL137271, AF183393, S78214, AL133565, A77033,	A77033,
	A77035, AL133640, A08909, AL133016, A08913,	08913,
	AF113019, AL133557, I89931, AL050149, AF113013.	AF113013,
	AF090896, X70685, AF113691, AL137488, AF079765,	AF079765,
	AL133560, AF079763, AL137533, AF104032.	2,
	AF113694, AF125949, AF017152, AF097996,	,,
_	AL049938, AL137557, AF031147, AF125948,	, e
	AL050146, AL117435, U42766, I00734, AB019565,	3019565,
	AL049300, AL049283, E05822, E00617, E00717,	00717,
	E00778, E12747, AL080124, AR013797, AF067728,	F067728,
-	AF087943, AL049452, AL110221, X63574, AL050277,	AL050277,
	AF113690, AL1333080, I33392, U58996, AL122100,	1122100,
	AL096720, E02221, AF091084, E02349, AL137548,	4137548,
	AL137480, AL122110, AJ000937, AL049430,	٥,
	AL137459, L31396, AL137527, AL050393, L31397,	L31397,
	AF106862, AR011880, AB016226, AL050024	
	AL117460, AL050108, E01614, E13364, A58524,	58524,
	A58523, AF017437, AF118064, A65341, AF118070,	F118070,
	AL137478, I49625, AF111849, S68736, X72889,	72889,
	AL080060, AR038854, AF118090, AF113676,	9,
	AL133113, AF057300, AF057299, AL080148	8,
	AF113699, AL050172, Z82022, AJ242859, X84990,	X84990,
	AL080234, A03736, AF032666, A93016, AL137283	L137283,
	AL049466, E06743, AL049314, AF111851, AF158248,	AF158248,
	A08908, AF061943, AL133067, AL122098, AL137529,	AL137529,
	AL122121, AL137479, U72620, AF113689, X79812,	X79812,
	Y11254, AR059958, AF106697, U80742, AL122123.	£122123,
_	A08912, A12297, AL137521, AF102578, AJ005690,	3005690,
	E07361, X82434, AJ238278, AL023657, AL110225,	L110225,
	AF113677, AF153205, AF026124, AL096751, U68387,	1, U68387,
	AL137294, S61953, AF118094, AL117583, Y09972,	X09972,
	A86558, A07647, AL080137, AB029065, AF067790,	F067790,
	D83032, AF100781, X80340, AF210052, A18777,	18777,

				AF159615, AL117649, AL080158, Z37987, AL050138, 1191329 x83508 AL117526 X87582 1192068
				AL117416, U96683, AL137658, AL133568, AF185576,
				AL117394, AL050155, A21103, A08911, AL133093,
				D16301, AL137292, AF081197, AL080074, AR020905,
				AL080159, I17544, AF090886, Y14314, U78525,
_				X65873, AL110218, AF119337, E03348, AF126247,
_				U95114, U67958, AF065135, AL137560, AL133665,
				AL137558, AL050092, AJ012755, AF081195, A15345,
				X81464, AL049464, AL117585, AL110222, AL050366,
		-		A18788, AL137463, AL137429, AR038969, X63162,
				AL110197, AF061795, AF151685
1433 H	HOENU48	876334	Preferably excluded from the	AA521311, AA521314, AW300598, AI051218,
			present invention are one or more	AI631949, AA669095, AW298550, AA278335,
_			polynucleotides comprising a	AI694270, AW339489, AI797687, AA464762,
_			nucleotide sequence described by	AI948608, AI807828, AA810071, AA804200,
		_	the general formula of a-b, where a	AI718165, AA662808, AA504439, AI129358,
_	-		is any integer between 1 to 2579 of	AI632884, AI215774, AI299255, AA452985,
_			SEQ ID NO:1433, b is an integer of	AI765613, AA114888, AI348428, AA114887,
			15 to 2593, where both a and b	AA504203, AI129632, AI701050, AI890342,
			correspond to the positions of	AA256836, AI023212, AI935316, AA974370,
			nucleotide residues shown in SEQ ID	AA252310, AA831496, AA705444, D57415, AA464174,
			NO:1433, and where b is greater	AA280044, Z44155, Z25261, D54675, AA165321,
			than or equal to a + 14.	T71333, AL420451, AA973497, N69756, T71487,
				W46279, AA877638, AI027401, AA255623, AA863081,
				AW196653, H47827, AA832206, AA995204, AA252340,
				Z28882, W46278, T48511, Z40146, AI831132,
_				AA743770, D57019, AA344612, T84473, N87679,
				AI918466, Z19443, F00129, D56990, AI351209,
				AL047889, AW369458, AL047888, AC002350, D82786
1434 H	HOUDK26	876335	Preferably excluded from the	H20994, H45211, H45368, H40040, H45293, H45192,
			present invention are one or more	AA205743, T24020, T90417, H20955, R70326,
			polynucleotides comprising a	AF075043, AC004755, AC005516, AC005519,
			nucleotide sequence described by	AL049836, AL080243, AC007358, AC004106,
_			the general formula of a-b, where a	AC008394, AC005234, AC007546, AC005089,
			is any integer between 1 to 1038 of	AL031597, AL031056, AC003690, AC005523,

			SEQ ID NO:1434, b is an integer of 15 to 1052, where both a and b	AC002316, AC004861, AC002472, H30375
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1434, and where b is greater	
			than or equal to a + 14.	
1435	HODDG78	876340	Preferably excluded from the	AW247764, AA442668, AA491177, AW248120,
			present invention are one or more	AL048314, AA479828, AA421873, AW248094, H75462,
			polynucleotides comprising a	Z42343, F06148, AA923747, F06007, AI445056,
	٠		nucleotide sequence described by	R14715, F13060, AR025386, X86779
			the general formula of a-b, where a	
			is any integer between 1 to 651 of	
			SEQ ID NO:1435, b is an integer of	
			15 to 665, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEO ID	
			NO:1435, and where b is greater	
			than or equal to a + 14.	
1426	HAMEDEO	876345	Drafarably excluded from the	AT219740 AT478566 AT632246 AA279757
2	201111111111111111111111111111111111111		nyogont investion are one or more	CTICOTE COCCUTAC
			הרבשבוור דוואבוורדסוו מדב סווב סד וווסדב	, ocopy 144,
			polynucleotides comprising a	
			nucleotide sequence described by	AW370599, AW370625, AA134295, AW390691,
			the general formula of a-b, where a	AI990289, AA134294, AA428452, AI143764, D30955,
		-	is any integer between 1 to 1090 of	AW370620, AA352142, AA074442, T83462, AW071043,
			SEQ ID NO:1436, b is an integer of	T79236, AI744728
			15 to 1104, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1436, and where b is greater	
			than or equal to a + 14.	
1437	HWHQB10	876354	Preferably excluded from the	H40868
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 345 of	

			10 000 TO 147 TO 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
			SEQ ID NO:143/, D is an inceyer of 15 to 359, where both a and b				
		_	correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1437, and where b is greater				
			than or equal to a + 14.				
1438	H2LAB47	876361	Preferably excluded from the	AA307985,	AL044985,	AA361756, AA016093	AA016093,
			present invention are one or more	AA133547,	AA046950,	AA133547, AA046950, AF126424, AF106065,	AF106065,
			polynucleotides comprising a	AF076838,	AF076838, AL122068,	AJ001642, AJ131295,	AJ131295,
			nucleotide sequence described by	AJ004977,	AF017748,	AJ004977, AF017748, AF098534,	AF085736,
			the general formula of a-b, where a	AF106066,	AF106066, AC004993, AF098533	AF098533	
	•		is any integer between 1 to 395 of				
_			SEQ ID NO:1438, b is an integer of				
			15 to 409, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEO ID				
			NO:1438 and where b is greater				
			1101 of 0000 1000 1000				
			than or equal to a + 14.				
1439	HJBAR28	876364	Preferably excluded from the	AA355924,	N83684, A	A214701, H.	AA355924, N83684, AA214701, H94179, AW298728,
			present invention are one or more	AI056829,	AA278566,	AA093069,	AI056829, AA278566, AA093069, T67190, AF092563
_			polynucleotides comprising a				
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 390 of				
			SEQ ID NO:1439, b is an integer of				
			15 to 404, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1439, and where b is greater				
			than or equal to a + 14.				
1440	HCEFA76	876370	Preferably excluded from the	AL079827,	AL079827, AA503895, AB002353	AB002353	
			present invention are one or more				
			polynucleotides comprising a				
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 338 of				

			GEO TO NO.1440 h is an integer of		
			15 to 352, where both a and b	•	
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1440, and where b is greater		
			than or equal to a + 14.		
1441	нсовізі	876372	Preferably excluded from the	AI491957, AA446825, Z42384, W86347, AC002064,	4,
			present invention are one or more	T73581, T73682, T89320, T89957, R27248, R27450,	450,
			polynucleotides comprising a	R48643, H84547, H99963, N28347, N63131, N64745,	745,
			nucleotide sequence described by	N76150, AA047464, AA047398, AA086034, AA099567,	567,
			the general formula of a-b, where a	AA099657, AA165569, AA169522, AA169441,	
			is any integer between 1 to 543 of	AA173617, AA173616, AA169406, AA215775.	
			SEO ID NO:1441, b is an integer of	AA251330, AA251391, AA258330, AA258494,	
			15 to 557, where both a and b	AA258798, AA258704, AA258149, AA258122,	
			correspond to the positions of	AA419346, AA602860, AA622286, AA683139,	
			nucleotide residues shown in SEQ ID	AA713685, AA743062,	
			NO:1441, and where b is greater		1,
			than or equal to a + 14.	AA210972, AA211395,	
				AA845854, AA971491, AA985073, AI023629,	
				AI073499, AI090846, AI092089, AI093295,	
				AI096814, Z41403, Z45751, AI302012, AI357671,	7,
				AI367709, AI367710, AI201715, AI202745,	
				AI445483, AI433348, AI478813, AI146981,	
				AI151439, AI184769, AI658554, AI521058,	
				AI537563, AI301471, AI634487	
1442	HTEGD78	876374	Preferably excluded from the	AI811832, AI732557, AA151182, AI610370,	
			present invention are one or more	AI672898, AI874058, AI758608, AL079276	
			polynucleotides comprising a		
			nucleotide sequence described by		
		_	the general formula of a-b, where a		
			is any integer between 1 to 554 of		
			SEQ ID NO:1442, b is an integer of		
			15 to 568, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1442, and where b is greater		

			than or equal to a + 14.	
1443	HCYBN59	876376	Preferably excluded from the	AA305677, D80212, D80248, D80268, C14331,
			present invention are one or more	D57483, D80227, D59927, D80269, D80133, D59619,
			polynucleotides comprising a	D80210, D80240, D80378, D80166, D80219, D81026,
			nucleotide sequence described by	D80439, C14389, D80157, D81030, C14429, D80522,
			the general formula of a-b, where a	C15076, AA305409, AW178983, D80195, D51060,
			is any integer between 1 to 640 of	D80022, D80366, D59859, D59502, D51423, D51799,
			SEQ ID NO:1443, b is an integer of	D80253, D80045, D59467, C14014, D58283, D80188,
			15 to 654, where both a and b	D80391, D80164, D59787, D59275, D80043,
			correspond to the positions of	AA514186, D59889, D59610, D80193, D80196,
			nucleotide residues shown in SEQ ID	D80251, D51022, D50979, D80024, D50995,
			NO:1443, and where b is greater	AW377671, AA305578, D59373, D80038, D80302,
			than or equal to a + 14.	AA514188, D80241, AW360811, D80247, AW177440,
				AW178893, AW352163, DS1759, AW375405, T03269,
				C75259, D80258, AW178906, AW179328, AW366296,
				C05695, AW360844, AW360817, AW375406, D51103,
				AW378534, AW179332, AW377672, AW179023,
				AW178905, AW377676, AW378532, C06015, D80132,
				D80134, AW177501, D59653, AW177511, D80949,
	_			D59627, AW352171, AA809122, AW352170, AW177731,
				AW178907, AW378528, D59503, AW178762, AW179019,
				AW179024, D58253, D51250, AW176467, AW367967,
				AW360841, AW177505, AW179020, T48593, AW178775,
				AW360834, AW178909, AW177456, AW369651,
				AW352158, AW179329, AW178980, AW178914,
				AW177733, AW178908, AW178754, AW179018, D80014,
				D80064, AI557751, AW352117, AW178774, D45260,
				AW352120, D51213, AW179004, C03092, D51079,
				F13647, AW179012, D80168, AW378525, C14344,
				D59695, AW378543, AI525923, AW352174, AW177728,
				H67854, N66429, AW179009, D80228, D81111,
				AW367950, AW178911, AW177722, AI910186,
				AW378540, H67866, C14077, T11417, AW178781,
				AI905856, C14407, AW177508, D58246, AI525917,
				AW360855, C14227, D58101, D51221, T03116,
		_		AW178986, AW177497, T02974, Z21582, AI535850,

			D59317, D59474, AW177723, D45273, C14973,
			AI525920, AW378533, AA514184, AI535959, C14957,
			AW177734, D60010, AIS35686, C14298, AIS57774,
			D59551, AI525235, C14046, T03048, D60214,
			AI525215, AI525227, AI525912, AW378539, D51097,
			AI525242, AA285331, D50981, AW179011, D51053,
			AW378542, AI525925, AI525222, C05763, C13958,
			C16955, Z33452, Z30160, AA305720, A62298,
			A84916, AR018138, AR008278, A62300, A82595,
			AB028859, AJ132110, AF058696, Y17188, X67155,
			D34614, A67220, A45456, AR060385, AB002449,
			D26022, A25909, A94995, Y12724, D89785, A78862,
_			A30438, AR008443, IS0126, IS0132, IS0128,
	_		I50133, D88547, AR066488, AR016514, AR060138,
			X82626, A26615, AR052274, A43192, A43190,
			AR038669, I82448, I14842, Y09669, AR066487,
_			Y17187, X68127, AR025207, AR054175, D50010,
			A63261, AR066490, AR008277, AR008281, I18367,
			U46128, AR008408, AR062872, AR016691, AR016690,
			A70867, A64136, A68321, D13509, AR060133,
			AB012117, I79511, U79457, AF123263, AR032065,
			T52855, T56234, T65208, R26874, R49147, R49147,
			R56838, R63286, R68208, R68209, R76931, H08236,
			N21262, N23372, N32910, N42052, N47538, N63310,
			N63321, W00634, W46981, W47082, AA043968,
			AA043955, AA046699, AA057059, AA058538,
_			AA102644, AA131696, AA131540, AA186895,
			AA188518, AA494518, AA632935, AA714553,
			AA741529, AA767851, AA808213, AA812138,
			AA847682, AA938741, AA995568, AI000554, W00650,
			AA477265, AA779560, AA868920, AA969270,
			AA936409, AI023812, AI093513, T25142, F02925,
			T52854, F09719, AI274698, AI285351, AI346806,
			AI469317, AI478311, AI540692, AI478825,
_			AI144017, AI160890, AI625377, AI610977, AI291591
1444 HCYBC31	_	876379 Preferably excluded from the	AA305023, AI352123, AI245481, AI909228, AI915162

			AC000402, AC002322
present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 885 of SEQ ID NO:1444, b is an integer of 15 to 899, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1444, and where b is greater than or equal to a + 14.	preferably excluded from the present invention are one or more polynuclectides comprising a mucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 351 of SEQ ID NO:1445, b is an integer of 15 to 365, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1445, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more prolynucleotides comprising a polynucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 362 of SEQ 1D NO:1446, b is an integer of 15 to 376, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1446, and where b is greater than or equal to a + 14.	Preferably excluded from the
	876380	876381	876382
	HCQBM44	нксsрля	HKCSP84
	1445	1446	1447

1450 HTNBJ76 876386 Preferably excluded from the	d from the	AW083135, AA808057, AI745495, AA599616, T36219,
than or equal to a + 14.	+ 14.	
NO:1449, and where b is greater	b is greater	
nucleotide residues shown in SEQ ID	s shown in SEQ ID	
correspond to the positions of	positions of	
15 to 619, where both a and b	oth a and b	
SEQ ID NO:1449, b is an integer of	is an integer of	
is any integer between 1 to 605 of	ween 1 to 605 of	
the general formula of a-b, where a	a of a-b, where a	
nucleotide sequence described by	e described by	
polynucleotides comprising a	nprising a	
present invention are one or more	are one or more	
1449 HE2CTS2 876385 Preferably excluded from the	1 from the	H74219, AA315682, AA904381
than or equal to a + 14.	+ 14.	
NO:1448, and where b is greater	b is greater	
nucleotide residues shown in SEQ ID	s shown in SEQ ID	
correspond to the positions of	positions of	
15 to 525, where both a and b	oth a and b	
SEQ ID NO:1448, b is an integer of	is an integer of	
is any integer between 1 to 511 of	veen 1 to 511 of	
the deneral formula of a-b, where a	of a-b, where a	
nucleotide sequence described by	described by	
polynucleotides comprising a	norising a	
	are one or more	
1448 HPMFF45 876383 Preferably excluded from the	from the	R52326. AL110125
The or one is greater	13 greater	
nucleotide residues shown in SEQ ID	s shown in SEQ ID	
correspond to the positions of	ositions of	
15 to 303, where both a and b	oth a and b	
SEQ ID NO:1447, b is an integer of	s an integer of	
is any integer between 1 to 289 of	veen 1 to 289 of	
the general formula of a-b, where a	of a-b, where a	
nucleotide sequence described by	described by	
polynucleotides comprising a	prising a	
present invention are one or more	ire one or more	



	present invention are one or more	AI918013, AA937922, AI591300, AI868123,	8123,
	polynucleotides comprising a	AI041990, AA342254, T33591, D44838, F16827,	1, F16827,
	nucleotide sequence described by	AI360911, R11202, D25779, AI521589, AA076707,), AA076707,
	the general formula of a-b, where a	AI978792, AW068394, AA347093, AA323085,	3085,
	is any integer between 1 to 302 of	AA359192, AI446474, F17700, AL045709, AA077776,	109, AA077776,
	SEQ ID NO:1450, b is an integer of	AI633427, AA533408, AA558298, AA835710,	15710,
	15 to 316, where both a and b	AA330573, R87547, AI151261, AI370475, AA297968,	75, AA297968,
	correspond to the positions of	AI699060, AI114477, T92957, AI952780, AA972238,	780, AA972238,
	nucleotide residues shown in SEQ ID	AA857296, AA663306, W23546, AW268277, AA643261,	177, AA643261,
	NO:1450, and where b is greater	AI251111, AL042113, F26719, AA825357,	357, AI132963,
	than or equal to a + 14.	T47739, AI538812, AA548087, AA425924, AI890385,	324, AI890385,
	•	AA485716, AI538540, AA828762, H05073, AW419262,	73, AW419262,
		AW193493, AA527730, AI865988, T78484, AA468051,	184, AA468051,
		AW272763, AI049996, AI801141, AI913324, N84161,	13324, N84161,
		R82388, H82895, AW451360, AI053786, AI148927,	5, AI148927,
_		AI445592, AI042342, AA487219, AA384039,	34039,
		AA572960, AL046782, AA487079, AI754013,	54013,
_		AA492313, AI923011, C13960, AW271904, AI753951,	904, AI753951,
		AA634209, AI755085, AA614010, AA235575,	35575,
		AW238016, AA467988, AI791150, AI623899,	23899,
		AA063139, AI114752, AA362395, AW407340,	07340,
		AA935377, AI859946, H73174, AA775049, AA581914	049, AA581914,
		AI634323, AI470956, AW419081, AI979005	79005,
		AI671035, AI952900, AA708678, AA311071,	11071,
		AA814510, AA743989, AI696901, AI754923	54923,
		AA663701, AA357307, AI859834, T52783, T65812,	783, T65812,
		AI755236, AI475332, AL120976, AI915081,	15081,
		AA569182, AA664135, AA831904, AA526656,	26656,
		AW189278, AA569743, AA632845, AA714956,	14956,
		AA664789, AA525209, AA507625, AI252506, Z36239,	52506, Z36239,
_		AI241705, AA776552, H55878, T80500, AW176024,	0, AW176024,
		AI261913, AI275742, AL037910, AA829033,	29033,
			06120, L78810,
		AC007055, AL031055, AC002400, U62317, AC005288,	317, AC005288,
		AL035587, AP000355, AC005341, AL021391,	21391,
		AL049780, AC005209, AL035455, AL034379,	34379,

	AL035450, AL121655, U76377, AF029750, Z82172,
	AL109827, AC005184, AC005778, AC006958,
	AC005071, AL031257, AC009286, AC006132, Z82214,
	AL035687, AC006146, AC004993, AL031295,
	AL049611, AF001549, AC006115, AC005670, Z98257,
	AC004815, AL121748, AL121603, Z85986, AL034421,
	AC005015, Z49258, AC007860, Z84572, AP000030,
	Z97200, AC002073, AL031767, AC004837, AC005666,
	AF196969, AC005339, AC005011, AL035458,
	AF111169, AC004797, AC005800, AL031846,
	AL121652, AP000459, AL024498, AC006160,
	AC002045, AC002472, AC002558, AC004485,
	AC005225, AF190465, AP000112, AC006501,
	AC005624, AC005081, AC005726, AC006026,
	AP000513, AC005911, AL049552, AF045555, Z99943,
	 AL031659, AL050307, Z97630, AL031054, AC004821,
	AC005088, AL109967, AC007437, AP000036,
	AC007536, AC007899, AC007114, AF042090,
	AC005480, AC006547, AC004386, AC004876,
	AC005251, AC003041, AL022316, AC005378,
	AL080242, Z85987, AC006965, AC007021, AC003104,
	AF134726, AC006013, AC006064, AL096774,
	AL035697, AF205588, AC005231, AC007151,
	AL034547, AC007488, L44140, AL021546, AC006299,
•	AF146367, Z98036, AP000144, AL031282, Z99128,
	AF053356, AL133243, AL035451, AC007283,
	 AC002996, AC005082, AC010582, AL031589,
	AL034420, AP001054, AL132985, AL034451,
	AC006116, AF118808, AC006380, AC007298,
	AP000065, AC002316, AP000088, AC005786,
	AC000003, AC005598, AC005663, AC006978,
	AL031733, AC004050, AC002538, AC005284,
	AP000216, Z93241, AC007227, AL049845, AC004849,

				AP000474, AC006344, Z75744, AC007390, AL049795,
				AL022721, U91321, AC005808, AC004448, AC010197,
_				AP000517, AL031291, AL021808, AC005366,
				AL031681, AC003982, AC005874, AF134471,
				AL132712, AC004647, AL078593, AC007565,
				AC005751, AL031594, Z82206, AL031286, AP000959,
_				AC004000, AC007510, AC006530, AC005280,
				AP000230,
		_		AL022165, AC002364, AL132992, AC006323,
		_		AC005821,
		_		AL050312, AF038458, AL021397, U95742, AL031121,
		_		AF124523, AC004227, AC003101, AL022323,
				AJ229043, AJ003147,
				AC006285, AC009464, AC006039, AC005048,
			•	AC002377, AP000692, AC005245, AC006597,
				AC002365, AL049643, AL050318, AC005057,
				AC002115, AC007221, AC004814, AC004111, AL035462
1451	HE9ND38	876387	Preferably excluded from the	AA334551, AA307537, AF002996
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 351 of	
			SEQ ID NO:1451, b is an integer of	
			15 to 365, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1451, and where b is greater	
			than or egual to a + 14.	
1452	HPIAK40	876395	Preferably excluded from the	AI902815, AI910057, AI902293, AR062079, E05133,
			present invention are one or more	A14565, I19407, E05330, E05331, E05332, A27627,
			polynucleotides comprising a	E05329, E03742, E06073, I19413, I19414, E15669,
			nucleotide sequence described by	AR028747, A58083, E17345, I12374, AR062080,
			the general formula of a-b, where a	E17343, E17344, E05159, E05147, E05139, E05134,
			is any integer between 1 to 756 of	157961, E05162, E01336, I12376, E17339, E17340,
			SEQ ID NO:1452, b is an integer of	E17341, E17342, A37179, E05144, E05135, I21469,

			15 to 770, where both a and b	E05152, E05153, I21461, I90026, E05143, A14547,
			nucleotide residues shown in SEO ID	, on the state
			than or equal to a + 14.	
1453	HHPGD10	876397	Preferably excluded from the	AW361614, AB023235
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 548 of	
			SEQ ID NO:1453, b is an integer of	
			15 to 562, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1453, and where b is greater	
			than or equal to a + 14.	
1454	HCQBI47	876398	Preferably excluded from the	AA527356, AI093930, AI635756, AW150892,
	,		present invention are one or more	AW340249, AI683004, AA574295, AA578334
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 1753 of	
			SEQ ID NO:1454, b is an integer of	
			15 to 1767, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1454, and where b is greater	
			than or equal to a + 14.	
1455	HE8DW67	876399	Preferably excluded from the	AA308646
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 386 of	
			SEQ ID NO:1455, b is an integer of	

			15 to 400, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1455, and where b is greater	
			than or equal to a + 14.	
1456	HONAH83	876400	Preferably excluded from the	N44636, AW292774, AA398365, H29990, R92869,
			present invention are one or more	AA403200, N44265, AA362919, AI914181
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 998 of	
			SEQ ID NO:1456, b is an integer of	
			15 to 1012, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1456, and where b is greater	
			than or equal to a + 14.	
1457	HHGCW95	876401	Preferably excluded from the	AA573757, AA161293, AA524449, AI742214,
			present invention are one or more	AA622626, W96506, AI476586, W96473, AA570007,
			polynucleotides comprising a	AI216739, AW168439, T06973, AI268257, AI702993,
			nucleotide sequence described by	AAS02262, AI911816, AI796804, AA480659,
			the general formula of a-b, where a	AA552367, AI709265, AI809403, AI445236, AA552072
			is any integer between 1 to 623 of	
			SEQ ID NO:1457, b is an integer of	
			15 to 637, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1457, and where b is greater	
			than or equal to a + 14.	
1458	HCYBI75	876402	Preferably excluded from the	AA305438, AA056382, AW188096, AA308744,
			present invention are one or more	AI702438, C14389, D59927, C14331, D80022,
			polynucleotides comprising a	D50995, D80166, D80212, D80391, AW178983,
			nucleotide sequence described by	D59787, D59619, D80210, D80240, D80045, D80268,
			the general formula of a-b, where a	D58283, D81030, D80196, D59467, D51022, D59859,
			is any integer between 1 to 528 of	D51799, D80227, D80195, D51423, D80164, D59275,
			SEQ ID NO:1458, b is an integer of	D80253, D80043, D59502, AA305409, D80219,

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	Lo to 542, where both a and b	Deutes, Deutes, Delute, Deutes, Deutes, Dousts,
	correspond to the positions of	D80522, C14429, C15076, D59610, AA305578,
	nucleotide residues shown in SEQ ID	D51060, D80193, D57483, D80038, C14014, D59889,
	NO:1458, and where b is greater	D80133, D80024, AA514188, AA514186, D80439,
_	than or equal to a + 14.	D80378, AW360811, AW177440, D80247, D80241,
	•	D80302, D80251, AW178893, T03269, AW377671,
		AW375405, D80157, AW178906, AW179328, AW366296,
		C75259, AW360844, AW360817, AW375406, D51103,
_	-	AW378534, D51759, AW179332, AW377672, AI139921,
		AW179023, AA056479, AW178905, AW378532, C06015,
		AW352170, AW177501, AW177511, D51250, C05695,
		D59373, D80132, AW352171, AW377676, AW177731,
		AW178907, T48593, AW378528, AW178762, AW179019,
		AW179024, D80134, D59653, D58253, AW176467,
-		D59627, AW367967, AW177505, AW360841, AW369651,
•		AW179020, AW178775, AW178909, AW177456,
		AW360834, AW179329, AW178980, AW178914,
		AW177733, AW178908, AW178754, AW179018,
		AW352158, AW352117, D45260, AW178774, D58101,
_		D59503, F13647, AW352120, AW179004, AW179012,
		AW378525, AW352163, T11417, D80949, H67854,
_		D80168, C03092, AW378543, AW352174, H67866,
		AW177728, AW367950, AA809122, AW179009,
		AW178911, C14344, AW177722, D51213, AW378540,
		AI910186, D80228, AI525923, D80064, AW178781,
		D80258, AI905856, C14227, D45273, C14973,
		C14046, T03116, AI525917, D58246, D81111,
		D59317, D80014, AA514184, AC004510, AC002384,
		U95626, AC006013, U88897, AC003013, AL050339,
-	-	AC005145, AC004768, AL139054, AC005090,
•		AC002530, AC006364, AC007207, AL121879, Z56740,
		AF058696, A84916, A62300, A62298, AB028859,
-		AJ132110, AR018138, AR008278, A82595, D26022,
		AR060385, AB002449, X67155, A25909, AC004791,
		Y17188, A94995, Y12724, A67220, D89785, A78862,
		D34614, AR008443, I50126, I50132, I50128,

				I50133, A	IS0133, A43192, A43190, AR060138, D88547,
•				AR066488,	AR066488, AR016514, A45456, I14842, A26615,
				AR052274,	AR052274, I82448, AR038669, X82626, Y09669
1459	HCRMK04	876404	Preferably excluded from the	AI057537,	AI057537, AI862687, AI686128, AW002455,
			present invention are one or more	AA875951,	AA875951, AI783596, AI050998, AI273307,
			polynucleotides comprising a	AI374905,	AI224513, AA460225, AI042000,
_			nucleotide sequence described by	AI610450,	AI829581, AA775736, AI364904,
			the general formula of a-b, where a	AI698790,	AA844090, R71519, AI860091, AI523843,
			is any integer between 1 to 517 of	AI767012,	AI473515, AI350561, AW188551,
			SEQ ID NO:1459, b is an integer of	AL119399,	Z99396, AL119324, AL119457, AL119443,
			15 to 531, where both a and b	AL042544,	AL134524, AL036418, AL038837,
		-	correspond to the positions of	AW392670,	AL037051, AL036725, AA631969,
			nucleotide residues shown in SEQ ID	AW372827,	AL039074, AW384394, AL119497,
			NO:1459, and where b is greater	AL119418,	
			than or equal to a + 14.	AL036924,	AL119483, U46341, AL119319, AL038509,
				AL039564,	AL039085,
				AL039108,	
				AL119363,	
				AL119335,	U46350, AL119522, U46349, U46351,
				AL119496,	AL037094, AL037526, AL039659,
				AL036196,	AL036190, AL037639, AL042965,
	_			AL038531,	U46347, AL042614, AL037085, AL119444,
_				AL036767,	U46346, AL037082, AL042975, AL119464,
		_		AL037205,	AL119488, AL134533, AL119439,
				AL036268,	AL039625, AL039648, AL045337,
	_			AL038520,	AL134538, AL036238, AL134518,
				AL042984,	U46345, AL038447, AL042909, AL039678,
_				AL039629,	AL134527, AL042433, AL039386,
				AL042551,	AL134531, AL039423, AL037077,
				AL042970,	AL043029, AL042450, AL043011,
				AL043019,	AL037615,
				AL036998,	AL036733,
				AL036765,	AL036719, AL037027, AL039410,
				AL036679,	AL036774, AL037021, AL036191,
				AR060234,	AR066494, A81671, AR023813, AR064707,
				AR069079,	AR069079, AB026436, AR054110

UJCDE13	307269	Drofevably oveluded from the	ALTOCATA STOCIETY STEEDING
_	4 ,	present intention are one or more	PORTONIA (CITOTION (CITOTION)
4 1	4 1	molymic leatides commissing a	
14	4	orymucieotides comprising a	
_	=	nucieotide sequence described by	
<u>.</u>	μ_	the general formula of a-b, where a	
		is any integer between 1 to 593 of	
03	U)	SEQ ID NO:1460, b is an integer of	
		15 to 607, where both a and b	
	_	correspond to the positions of	
	-	nucleotide residues shown in SEQ ID	
	24	NO:1460, and where b is greater	
_	_	than or equal to a + 14.	
876408 P	-	Preferably excluded from the	
íù,	Ď,	present invention are one or more	
ŭ,	Ď,	polynucleotides comprising a	
<u> </u>	<u>ā</u>	nucleotide sequence described by	
ī	77	the general formula of a-b, where a	
<u>-</u>	٠ <u>٦</u>	is any integer between 1 to 107 of	
S	S	SEQ ID NO:1461, b is an integer of	
	-	15 to 121, where both a and b	
ŭ	ŭ	correspond to the positions of	
	Ľ	nucleotide residues shown in SEQ ID	
~	24	NO:1461, and where b is greater	
-		than or equal to a + 14.	
876409	_	Preferably excluded from the	AW014464, AA693558, N74561, AI024015, AA332850
_	_	present invention are one or more	
_	_	polynucleotides comprising a	
	_	nucleotide sequence described by	
_	_	the general formula of a-b, where a	
	_	is any integer between 1 to 692 of	
	_	SEQ ID NO:1462, b is an integer of	
		15 to 706, where both a and b	
		correspond to the positions of	
	_	nucleotide residues shown in SEQ ID	
_	_	NO:1462, and where b is greater	
	_	than or equal to a + 14.	

	не9км22	876418	Preferably excluded from the present invention are one or more polynuclectides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1751 of 150 ID NO:1463, b is an integer of 15 to 1765, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1463, and where b is greater than or equal to a + 14.	AI492422, AI357898, AW296940, AA931635, AW296456, AIQ38B36, AIZ65919, D59291, AA694009, AA700680, H06163, H66881, R23681, T86478, T86479, H81425, AIQ163143, Z38898, T16577, Z42746, Z42275, T89377
464	нскро93	876419	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 461 of SEQ ID NO:1464, b is an integer of 15 to 475, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1464, and where b is greater than or equal to a + 14.	
1465	н Р рбизб	876420	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 184 of SEQ ID No.1465, b is an integer of 15 to 198, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID No.1465, and where b is greater than or email to a 14	AA366524

1466	H2CBM09	876422	Preferably excluded from the	AA307727, AL121460, Z56847, Z57345
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 500 of	
			SEQ ID NO:1466, b is an integer of	
			15 to 514, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1466, and where b is greater	
			than or equal to a + 14.	
1467	HKCAA10	876425	Preferably excluded from the	AA192455, AW294111, AA707196, AI924499
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 635 of	
			SEQ ID NO:1467, b is an integer of	
			15 to 649, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1467, and where b is greater	
			than or equal to a + 14.	
1468	H2CB125	876426	Preferably excluded from the	AA307505, AA360083
			present invention are one or more	
			polynucleotides comprising a	
_			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 465 of	
			SEQ ID NO:1468, b is an integer of	
			15 to 479, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1468, and where b is greater	
			than or equal to a + 14.	

1469	HKISB80	876427	Preferably excluded from the	AA718982
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 385 of	
			SEQ ID NO:1469, b is an integer of	
			15 to 399, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1469, and where b is greater	
			than or equal to a + 14.	
1470	H2CBE84	876428	Preferably excluded from the	AA307365, AW009512, AI609285, AI659851,
			present invention are one or more	AA301898, AI671626, AI818892, AW025713,
			polynucleotides comprising a	AA490857, R40307, AA700491, AI273067, AA834371,
			nucleotide sequence described by	AI368173, AW316631, C05075, AA480122, AA348046,
			the general formula of a-b, where a	D59610, AA089704, D80241, D59467, Z21582,
			is any integer between 1 to 446 of	D80212, D80045, D59859, D51423, D80188, D80166,
			SEQ ID NO:1470, b is an integer of	D58283, D81030, D59619, D80210, D51799, D80240,
			15 to 460, where both a and b	D80253, D59889, D80195, D80038, D80022, D80219,
_			correspond to the positions of	D59275,
			nucleotide residues shown in SEQ ID	D59502, D80366, D80196, D50995, C14331, D80164,
_			NO:1470, and where b is greater	D59927, D80269, D50979, D80024, D80193, D80378,
_			than or equal to a + 14.	C14389, C14014, C15076, AA305409, D51060,
				C75259, T03269, D58253, C04935, AW178893,
				F13647, D80134, D59695, D81026, D80268, D51250,
				D80522, D51022, D80949, AW179328, AW352158,
		,		AW378532, AW177440, AA305578, D80168, AW369651,
				D80248, D51079, D81111, D80251, C14227, D52291,
				AW178762, AA514188, C14298, D80133, AA514186,
				C14407, AW360811, AI557751, AW378540, D51097,
				C05695, AW375405, AW360834, AA285331, AW377671,
				D80132, AW366296, AW360817, AW375406, AW378534,
				AW179332, AW377672, AW179023, D80439, AW178905,
				AW179024, D80302, D59373, AW179020, AW177456,
				AW352171, AW377676, AW178906, AW352170,

AW177731, AW178907, AW178754, AW179019, D80247, D58101, D80014, AW179004, AW179012, D51759, AW17908, AW179018, MW179008, AW179018, MW179018, T11417, H67866, T03116, D80157, AW179018, T11417, H67866, T03116, D80157, AW179018, AW17811, AW378120, AW17728, AW178274, AW17821, H67854, AW17825, H67858, C03092, AW378533, AA809122,	CALGORY, D59551, AS11484, AIS25917, D50981, D45273, D59474, C14344, D51221, D59317, D60228, C14973, AIS25920, C14046, D60010, AIS35686, AIS25912, AIS25917, D60228, C14973, AIS25920, C14046, D60010, AIS35686, AJ132110, A84916, A52300, AR018138, D88547, D34614, X67155, X17188, D89785, D26022, A2598, A67220, AR8862, AR08278, A45456, X82626, AA6720, AR056896, AB028859, AR052507, X12724, AB012117, A85177, A94995, I19525, A86792, U87250, AR06430, IS0132, IS0133, AR0438, AR06481, AR06138, A26615, AR05274, X05669, A43192, A43190, AR038669, I14842, AR054175, AR06449, AR06138, A26615, AR05274, X05669, A43192, A43190, AR038669, I14187, AR064131, AR064138, A26615, AR05271, A20877, AR008221, D88577, AR008221, AR018670, AR06687, I18867, AR008221, AR018690, AN0867, AR06687, AR018670, AR018690, AR0186010, AV0867, AR062872, AR016691, AR016690,	U46128, AR000408 AA781174, AW22810, AI888669, AI572847, AW301246, AA773636, AA053054, AA112389, AG53397, AA699864, AA112388, AA974581, AI524767, AW377081, AW016549, D62897, AA954644, AA169505, AW377047, AA092662, AW362046, AA629163, S72869
		Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1993 of SEQ ID NO:1471, b is an integer of 15 to 2007, where both a and b
		876431
		HSEBD08
		1471

			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1474, and where b is greater	
			than or equal to a + 14.	
1475	HJAAL27	876440	Preferably excluded from the	AA354378, AA397949, AA007514
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 428 of	
			SEQ ID NO:1475, b is an integer of	
			15 to 442, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1475, and where b is greater	
			than or equal to a + 14.	
1476	HA5AB14	876441	Preferably excluded from the	AI381990, AA523925, AI381991, AI673419,
			present invention are one or more	AA535262, AI990950, AW369662, AI272934,
_			polynucleotides comprising a	AI150565, AW316722, AI142707, AW338227.
			nicleotide semience described by	
			the general formula of a-D, where a	AA632451, AA122026, AA482521, AA512956,
_			is any integer between 1 to 1005 of	AA658276, AA541675, AA451748, AI677810,
			SEQ ID NO:1476, b is an integer of	AI587642, N64192, AI250993, AA424310, AI905464,
			15 to 1019, where both a and b	AA229168, AA122025, AL035541
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1476, and where b is greater	
			than or equal to a + 14.	
1477	HWLNS47	876444	Preferably excluded from the	AA279461, R59258, T80331, Z45041, F13132,
			present invention are one or more	T75390, AA099543, AA669197, H08922, H57648,
			polynucleotides comprising a	AW304022, AA304745, W79474, AW118919, R59760,
			nucleotide sequence described by	W86555, R18710, AF083033, AR028451, AF072860,
			the general formula of a-b, where a	Z84477
			is any integer between 1 to 843 of	
	_		SEQ ID NO:1477, b is an integer of	
			15 to 857, where both a and b	

			3 ; 7; 17 - 7 ;			
			collespond to the positions of			
			NO:1477, and where b is greater			•
			than or equal to a + 14.			
1478	HE8UJ03	876447	Preferably excluded from the	AW340972,	AW340972, AI763378, AI745530, AI400359,	
			present invention are one or more	AA634799,	AA634799, AW373755, AA406542, AW008882,	_
			polynucleotides comprising a	AI379597,	AI379597, AW373615, AI858439, AI380423,	_
			nucleotide sequence described by	AI628029,	AI628029, AW074041, AI538874, AW189012	
			the general formula of a-b, where a	AA857364,	D82303, AA224830, AA132792, AA224831,	AA224831,
			is any integer between 1 to 2757 of	AA524982,	AW364047, AI678604, AI142902	
			SEQ ID NO:1478, b is an integer of	AA133068,	D82445, H39906, AA593133, AA644624,	1644624,
			15 to 2771, where both a and b	AA888921,	AA411736, AI992380, AI679729,	
			correspond to the positions of	AA904079,	AA494400, AA577041, AI282492,	
			nucleotide residues shown in SEO ID	AI640743,	AW074288, AI535647, AA551421,	
			NO:1478, and where b is greater	AA336073,	AA505483, AI469669, AI284099,	_
			than or equal to a + 14.	AI284098,	AI201463, AI872908, AI610272,	
				AA829570,	AI290109, AI903549, AI903561	
				AI611723,	T11347, AI903513, AA337475, AI567336,	AI567336,
				AI925611,	AW389340	
1479	HDTLK03	876448	Preferably excluded from the	AA442527,	AA442527, AW262626, AW391549, AW304931,	
			present invention are one or more	AI669606,	AI669606, AI858160, AA085664, AA659697,	
			polynucleotides comprising a	AI632828,	AI632828, AA134338, AA984772, N22162, AA085613,	AA085613,
			nucleotide sequence described by	AW197240,	AW197240, AW129348, W26560, AI311237, AI336661,	AI336661,
			the general formula of a-b, where a	AI343171,	AI343171, AW274348, AA581646, AI344929,	,
			is any integer between 1 to 2051 of	AA935005,	AA935005, AI017643, AI335437, AA847210,	
			SEQ ID NO:1479, b is an integer of	AA730055,	AA730055, AW268074, AW089030, AI382955,	
			15 to 2065, where both a and b	AA662650,	AA662650, AW193002, AA648105, AI933533,	
			correspond to the positions of	AA782687,	AA782687, AA389680, AA334191, AW370221	
			nucleotide residues shown in SEQ ID	AA373813,	AA373813, AI914719, N71529, AA186588, AW363311,	AW363311,
			NO:1479, and where b is greater	AA373153,	AA373153, AA120820, D20893, AI557148, T24490,	T24490,
			than or equal to a + 14.	AA249060,	AI741448, W73136, W73116, AI251367,	1251367,
				AF086334		
1480	HMTBC69	876451	Preferably excluded from the	DS0810, U	D50810, U62768, U62769, U32990, U76997,	,,
			present invention are one or more	AJ131025,	AJ131025, AJ131026, AJ131027, AJ131028	m
			polynucleotides comprising a			
			nucleotide sequence described by			

			the general formula of a-b, where a	
			is any integer between 1 to 706 of	
			SEQ ID NO:1480, b is an integer of	
			15 to 720, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1480, and where b is greater	
			than or equal to a + 14.	
1481	HMUBP81	876452	Preferably excluded from the	AI279547, AI083565, AI804064, AA252212,
			present invention are one or more	AA306506, AI083894, AW183913, AI288218,
			polynucleotides comprising a	AA973053, AA252213, AI440455, N23315, AI300175,
			nucleotide sequence described by	AW152434, AI864289, AI217669, N32475, AA825339,
			the general formula of a-b, where a	AI564974, AA765563, N23439, AA234876, AA235303,
			is any integer between 1 to 1153 of	T47445, AA311785, AI147554, AA738131, AI560760,
			SEQ ID NO:1481, b is an integer of	AA993026, T90472, AA573442, AI279529, AA193637,
			15 to 1167, where both a and b	H11688, AI937674, T47444, AA740441, D81882,
			correspond to the positions of	H96821, T83136, AI219090, AA573498, AA371301,
			nucleotide residues shown in SEQ ID	AA809694, AA193600, AA766413, AA258658,
			NO:1481, and where b is greater	AA258659, C01339, AL008729
			than or equal to a + 14.	
1482	HAPOT58	876458	Preferably excluded from the	AL037788, AI686047, AI753484, AI636777,
			present invention are one or more	AI861877, AI935355, AI144560, AI192999,
			polynucleotides comprising a	AI806026, AA081086, AI140416, N52261, AI984946,
			nucleotide sequence described by	AI126835, AI375382, N31999, AI431922, AI000687,
			the general formula of a-b, where a	AA281546, AI354844, AW368199, AI806020,
			is any integer between 1 to 2115 of	AI192995, AA432212, AI796776, AI765555,
			SEQ ID NO:1482, b is an integer of	AI436119, N62465, AA416953, AI392798, AA504837,
			15 to 2129, where both a and b	AA993835, AI942228, N74643, AA962052, N31979,
			correspond to the positions of	H80204, AI340563, AW025654, W95677, AI373352,
			nucleotide residues shown in SEQ ID	AA928965, AA505730, AA598619, AA281547,
			NO:1482, and where b is greater	AA455805, AI373515, AA919147, AI879179,
			than or egual to a + 14.	AI656682, AI350119, AI143974, AA283875,
				AI810436, AI761126, AA456624, AA931610,
				AI634994, AI149059, H58033, AA282093, AI762032,
				AI867892, W39405, W15216, AA456424, AI493979,
				W26521, AI418808, W95891, AA470851, N92893,

				H81006, A	H81006, AA136357, AA359333, N50738, AI309586,	1359333, NE	50738, AI30	09586,
				AA783008,	AA783008, AW293385, AA373138, AW363229	AA373138,	AW363229,	
				AI919006,	AI919006, T81361, W95965, AA283984, AA371258,	5965, AA28	33984, AA3	71258,
				AI589997,	AIS89997, AA605260, AA370986, AI690377	AA370986,	AI690377,	
				AA359446,	W73659, H78829, AA113788, AI761221,	78829, AA1	13788, AI76	61221,
				AI469943,	AA609846, AI864350, W25612, R24652,	AI864350,	W25612, R	24652,
				AA360514,	AI907228,	AAB31054,	AI907228, AAB31054, AA355628, H78428,	H78428,
				AI473940,		AA745877,	AA136269,	T24969,
				AI693730,	AI693730, AA706077, N83393, AA070852, AI905829,	N83393, A	4070852, A	1905829,
				AI587625,	N88059, AV	4363223, A	N88059, AW363223, AI559993, AA526788,	A526788,
				AI216608,	AI216608, AW371352, AI634388, N79184, AW363222,	AI634388,	N79184, A	W363222,
				AA594328,	AA400847,	AI209205,	AA400847, AI209205, AA393670, H83189,	Н83189,
				AF161432				
1483	HCFLR18	876459	Preferably excluded from the	AA807288,	AA807288, AL036653, AL036654, AI289925, AI291875	AL036654,	AI289925,	AI291875
			present invention are one or more					
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
_			is any integer between 1 to 519 of					
			SEQ ID NO:1483, b is an integer of					
			15 to 533, where both a and b					
_			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1483, and where b is greater					
			than or equal to a + 14.					
1484	HDPAA38	876464	Preferably excluded from the	AA873176,	AA873176, AA931378, AI218111, AI014843	AI218111,	AI014843,	
			present invention are one or more	AA379509,	AA379509, AL021155, AC004663, AC005379	AC004663,	AC005379,	
			polynucleotides comprising a	AL096702,	AL096702, AF187320, AL117258, U95740, AC004797,	AL117258,	U95740, A	C004797,
			nucleotide sequence described by	Z95704, A	Z95704, AC004636, AC005071, AP000952	C005071, A	P000952	
			the general formula of a-b, where a					
			is any integer between 1 to 887 of					_
			SEQ ID NO:1484, b is an integer of					
			15 to 901, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
_			NO:1484, and where b is greater					

			than or equal to a + 14.	
1485	HCYBM66	876465	Preferably excluded from the	AA116082, AA305687, C14014, D80269, D80227,
			present invention are one or more	AA809122, AA305409, C14389, D80391, D59787,
			polynucleotides comprising a	D80196, D58283, D59859, D80022, C14331, D80166,
			nucleotide sequence described by	D80195, D59467, D51423, D59619, D80210, D51799,
			the general formula of a-b, where a	D80164, D59275, D80240, D81030, D80253, D80043,
			is any integer between 1 to 768 of	D59502, D80212, D80188, C15076, D80219, D59927,
			SEQ ID NO:1485, b is an integer of	D57483, D80366, D80038, D50979, D59889, D80193,
			15 to 782, where both a and b	D50995, D80024, D59610, D80378, H67854, T03269, .
			correspond to the positions of	C14429, AW178893, D80241, D80045, AW179328,
			nucleotide residues shown in SEQ ID	D51060, AW177440, D51022, C75259, AW378532,
			NO:1485, and where b is greater	AW369651, AA305578, AW178775, AW178762, D51250,
			than or equal to a + 14.	AW352158, D80134, AI910186, D80251, D81026,
				D80248, H67866, AW177501, AW177511, AA514188,
				AW360811, F13647, D80522, C14227, D58253,
				AW352117, AA514186, AI905856, D80133, AW176467,
				AW375405, AW352163, D80168, AW377671, AW377676,
				AW360834, AW366296, C05695, AW352171, AW360844,
				D81111, AW360817, AW375406, C14298, AW378534,
			•	AW179332, AW378540, AW377672, AW179023,
				AW178905, D80064, D80268, C14407, D80132,
				AW352174, AW178906, AW352170, AW177731,
				AW178907, AW179019, AW179024, D80439, U91321
1486	HPWAY46	876469	Preferably excluded from the	AC008122, AL021808, AC007649
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 877 of	
			SEQ ID NO:1486, b is an integer of	
			15 to 891, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1486, and where b is greater	
			than or equal to a + 14.	
1487	HLTAH77	876470	876470 Preferably excluded from the	AI359524, AW003850, AI089719, AI359474,

			present invention are one or more	AI652055, AI948841, AI824819, R87348, F13369,
			polynucleotides comprising a	T77492, Z43232, N50592, F11622, AA360610,
			nucleotide sequence described by	F08357, AF035282
			the general formula of a-b, where a	
			is any integer between 1 to 1167 of	
			SEQ ID NO:1487, b is an integer of	
			15 to 1181, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1487, and where b is greater	
			than or equal to a + 14.	
1488	HWLXX39	876471	Preferably excluded from the	AI879483, AA553761, AW363300, AW162358
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 491 of	
			SEQ ID NO:1488, b is an integer of	
			15 to 505, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1488, and where b is greater	
			than or equal to a + 14.	
1489	HPTWG85	876472	Preferably excluded from the	AI652564, Y17108, Z92544, Y17258
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 637 of	
			SEQ ID NO:1489, b is an integer of	
			15 to 651, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1489, and where b is greater	
		_	than or equal to a + 14.	
1490	HE6BS09	876473	Preferably excluded from the	AL120741, AA573741, AW409804, AA191552, W93042,

	present invention are one or more	AW402618, AW409704, AA496304, AW073345,
	polynucleotides comprising a	AW300845, AA744892, N39760, AW176264, AI498051,
	nucleotide sequence described by	AA419262, AA932846, AA632390, AA504894,
	the general formula of a-b, where a	AIS64499, AI128977, AA737814, AA419313,
-	is any integer between 1 to 2954 of	AA565758, N26317, AW291428, AA533063, AI375164,
	SEQ ID NO:1490, b is an integer of	AA662704, AA935484, AA128486, AI266104, N32937,
	15 to 2968, where both a and b	N42608, AA307525, AI272853, AI354318, AA565783,
_	correspond to the positions of	N35109, AA191421, AI091816, W24942, N62754,
-	nucleotide residues shown in SEQ ID	AA113164, AI139914, R35445, AI358925, AI524297,
	NO:1490, and where b is greater	AA411740, AW169734, AA342234, AA864231,
	than or equal to a + 14.	AI219732, R75982, AA506884, AA868134, N95815,
		AA952966, AA406562, AA422127, AI277114,
		AA568586, AI307129, AA552501, AA325046, R80092,
		AA296682, AA075972, AI660916, AA877488, T48678,
		R25740, T78250, AL079578, AA504946, AA923223,
		R76813, R27494, AA348004, AA694309, AI538662,
		H04698, AA337541, AA356674, T48679, AA738377,
		AA368983, AA074378, AA809882, AA588403,
		AI672899, T78083, N79702, R25658, AI202481,
		AA311735, AA112425, R27510, R32527, R28609,
		AA129797, R25647, AI364021, AA578870, AI864211,
		AL079579, AA665375, R79989, AA355436, R34256,
		AA368982, AA348005, AA327401, N43853, AA937676,
		AA876470, AA235504, AW166979, AA548792,
		AA337180, AI520916, AI684053, AA054425,
		AI866770, AA878790, AI890907, AI348854,
		AI608932, AW001426, AI358701, AI680498,
		AIS54343, AI620639, AL038445, AI961589,
-		AA911767,
		AW131288, AA603709, AI288285, AI344935,
		AL037582,
		AI349645, AW268253,
•		
		AI345026, AI559531, AI554485, AW150804,
		AI340627, AI963846, AW303089, AI859429,
		AI335235, AA908294, AW105601, AI497733,

		ı	
	AI307569, AI340511,	l, AI263331,	AL036980,
	AISS9632, AI334930,), AW004896, AL036904,	AL036904,
_	AI345739, AI340659,		AI251221,
	AW074869, AI932638,		AI690813,
	AI634224, AW268072,	2, AI335208,	AW089275,
	AW302992, AA983883,	3, AI872423,	AI500588,
	AW169604, AW079336,	5, AW026882,	AI815232,
	AI310582, AW074993,		AI445131,
	AI335426, AI349957,	7, AI348777,	AW301300,
-	AL041150, AW075207,		AI343037,
	AI310940, AI470293,	3, AI889148,	AW152469,
	AI690411, AI349226,	5, AI345005,	AI348879,
	AW075084, AI886206,	5, AW058233,	AI349614,
	AI343112, AW193134,		AI307543, AI307210,
	AI312156, AI307708,		AI349598, AW302988,
	AI859733, AI349256,		AW167222, AI313320,
	AI345735, AI801460,		AI620284, AW023338,
	AI432969, AW072588,		AI307520, AW088805,
_	AI249323, AI869367, AI334884, AW071412,	7, AI334884,	AW071412,
	AI207454, AI312325, AI343140, AI349971	5, AI343140,	AI349971,
	AW089689, AW081797, AI783504, U49908, M30514,	7, AI783504,	U49908, M30514,
	E02349, I48978, AL117435, X84990, AF118070,	L117435, X84	990, AF118070,
_	AF113699, AL04946	4, AL050277,	AF113699, AL049464, AL050277, X83508, AL049314,
	I89947, A08916, I03321, A08913, AJ238278,	03321, A0891	3, AJ238278,
	A08910, A08909, AF090943, AR029490, X63574,	F090943, ARO	29490, X63574,
	I89931, A08908, AL137521, AL133568, I49625,	L137521, ALL	33568, I49625,
	AL050393, AJ012755, AR038854, AF028823	5, AR038854,	AF028823,
-	AL133557, U49434,	AR011880, A	AL133557, U49434, AR011880, AR038969, AL133016,
	A08912, 148979, X96540, AF113694, AF113690,	96540, AF113	694, AF113690,
	AL080127, AL02365	7, AF158248,	AL080127, AL023657, AF158248, A18777, AF079763,
	AL117457, E02221,	X53587, AF0	E02221, X53587, AF090896, AF118094,
	AL049382, AF10686	2, AF113677,	AF106862, AF113677, A90832, AL137550,
	AL117432, AL11022	2, AL137292,	AL110222, AL137292, E04233, U58996,
	AB007812, AF01743	7, AF100931,	AB007812, AF017437, AF100931, AF118090, 142402,
	AF026124, AL05011	6, AL050092,	AF026124, AL050116, AL050092, U35846, AF008439,
	AL050172, Y10080,	AL110197, A	Y10080, AL110197, AF111849, AL117649,

			AF090900, AF125949, S78214, AF061943, I26207.
			X82434, U67958, AL117416, E08631, U78525,
			AF104032, S75997, AF091084, AL049452, X70685,
			AL117583, A03736, AF113019, AF090934, AR034830,
			196214, AF215669, AL137478, AL110196, AL110280,
			A07647, AL137558, AL050138, AL133072, AL137480,
			U91329, A08911, AL049300, AL049466, AF183393,
			AL133081, Z37987, AF162270, U00763, AL137429,
-			109360, AL050024, AL080124, AL133098, AL117460,
			AL117585, AL096744, AF026816, U42766, AL080154,
			AJ242859, X52128, AL049465, AL080158, I00734,
			Y07905, E12747, X72889, AL133560, A58524,
	•		AL080074, A58523, AL122110, AF003737, AF100781,
			AL137526, AL137523, AF097996, AF051325, E06743,
			AF132676, AF061836, AL110225, M86826, AL133665,
			Y09972, AL050108, AL137488, AF106657, AL133113,
			AF113013, AL080234, AL133565, AF061573,
			AL137463, I89934, I89944, AL080086, AF078844,
			Y10655, AR020905, AL122093, Y11254, AL133080,
			A77033, A77035, AF087943, AL133640, AL137271,
			Z72491, AF111851, AL110221, AF090903, AF125948,
			AF113676, I66342, AL137533, A08915, E15569,
			AF185576, U80742, AL117394, AL050155, S79832,
			AF022363, AL122121, AF032666, D83032, AF119337,
			AR013797, I80064, AL122049, Y16645, AF067728,
			A65341, AL049283, AJ000937, AL049430, I33392,
			AL137560, Z82022, AF153205, A93350, I09499,
			L31396, U68387, AL133077, AF177401, S68736,
			AL137705, AF090901, AF139986, X65873, AF079765,
_			L31397, AF081195, AL137476, AL122123, E08263,
			E08264, E07361, A93016, S61953, A21103,
			AL137459, X00861, AF126247, AF118064, AL133558,
			X87582, AL122050, AL137529, AF061795, AF151685,
			A12297, AF057300, AF057299, AL110171, AL080060,
			A08907, AF113689, AF017152, AL133075, AR068751
1491 HERAM35	876474	Preferably excluded from the	

			present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 515 of 520 in No:1491, b is an integer of 15 to 529, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1491, and where b is greater than or equal to a + 14.	
1492	HFIUGS4	876475	Preferably excluded from the present invention are one or more polynuclectides comprising a polynuclectide sequence described by the general formula of a-b, where a is any integer between 1 to 1211 of SEQ ID NO.1492, b is an integer of 15 to 1225, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO.1492, and where b is greater than or equal to a + 14.	AA604375, AI096476, AI627324, AI623783, AW270881, AM176260, AA420479, AR263721, AI338186, AI888162, AW00168, AW190261, AW300137, AW166776, AI017162, AI034411, AW169112, AI493585, AA035308, AI400980, AI26974, AI086111, N20484, AA905363, AI244728, AW339199, N34406, AW37999, AA490346, AA970535, AM339199, N34406, AW391594, AA480346, AA980286, AA548169, N34599, CO2570, AW380443, AA582926, H42703, AW105105, AA570014, AW026638, AA256814, AA364778, AW105105, AA570014, AW391563, AW339527, AA65097, AA613111, A1925770, AW391562, AA101512, D51223, D62210, AA847993, AA652779, AI117597
1493	невсх56	876476	Preferably excluded from the present invention are one or more polynucleotides comprising a polynucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2284 of SEQ ID NO:1493, b is an integer of 15 to 2298, where both a and b correspond to the positions of	A.693062, A.936680, A.638780, AM130947, A.7203659, AAS69048, AA730307, D61225, AL041011, R.49279, H.64578, AA249856, AA120957, H.64682, D81623, AL040722, N56191, AW265781, AA082593, AF029343

			nucleotide residues shown in SEQ ID	
			NO:1493, and where b is greater than or equal to a + 14.	
1494	H2LAOS4	876480	Preferably excluded from the	AW068683, AA314376, D80193, D80227, D59619,
	,		present invention are one or more	D80210, D80240, D59467, D80195, C14389, D59502,
			polynucleotides comprising a	D80164, D59275, D80038, D80219, D80269, D58283,
			nucleotide sequence described by	D51423, C14331, D59859, D80022, D80166, D51799,
			the general formula of a-b, where a	D80391, D80253, D81030, D50979, D80043, D59787,
			is any integer between 1 to 375 of	C15076, D80378, D80212, D80196, D80188, D59927,
			SEQ ID NO:1494, b is an integer of	D59610, D57483, D80366, D50995, D59889, D80024,
			15 to 389, where both a and b	AA305409, T03269, D80241, D80045, AW178893,
			correspond to the positions of	C75259, AW178775, C14014, AA305578, AW179328,
			nucleotide residues shown in SEQ ID	AW177440, D51022, AW352158, AW378532, D80522,
			NO:1494, and where b is greater	D80134, D51250, D52291, AA514188, D81026,
			than or equal to a + 14.	AW178762, AW177501, F13647, AW177511, AW352117,
		_	•	D80251, D80168, D80248, D58253, C14298, Z21582,
				C14227, AW360811, D81111, AW377671, AA514186,
				D80133, AW378540, D80064, AW375405, C14407,
				AW366296, D80132, AW360817, AW375406, D80268,
				AW378534, AW352171, AW179332, AW377672,
				AW179023, AW377676, AW178905, D51097, AW178754,
				AW179024, AW179020, AA285331, AW177456, D80302,
				AW178906, AW352170, AW177731, AW360834,
	_			AW178907, AW179019, AW179018, AW352174, D80439,
			•	D80247, AW378528, AW178908, AA102166, C14077,
				T11417, AI557751, AW178914, AW178781, AW378543,
				AW378525, D51103, AW178774, AW352163, T03116,
				D80157, AW378539, D80258, D59503, D58246,
				D80014, T48593, D59627, C06015, D58101,
				AW378533, AI557774, D45260, AW367950, AW178986,
				AI525923, H67866, D51213, D45273, T02974,
				AB809122, C03092, H67854, D80228, T03048,
				AW179013, D59317, AI525917, AI535686, C14344,
				C14973, D51221, AI525920, D59474, D59551,
				AA514184, AI525227, H67858, Z30160, AI535961,
				AW378542, U70370, AF009649, U54499, U71206,

				A84916, A.T132110, A62300, A62298, AR018138
				Y17188, X67155, D26022, A25909, A67220, D89785,
				A78862, D34614, D88547, AF058696, AR008278,
				X82626, AB028859, AR025207, Y12724, AB012117,
				A82595, AR066482, A94995, X68127, AR060385,
				AB002449, AR008443, A85396, A44171, U87250,
				A85477, I19525, A86792, I50126, I50132, I50128,
				I50133, X93549, AR066488, AR016514, AR060138,
				A45456, A26615, AR052274, Y09669, AF009648,
				A43192, A43190, AR038669, I18367, AR066487,
				A30438, D88507, I14842, AR054175, D50010,
				Y17187, A63261, AF135125, AR008408, I79511,
_				AR062872, A70867, AR008277, AR008281, AR016691,
_				AR016690, U46128, D13509, A64136, A68321,
				AR060133, AB033111, AR064240
1495	HWABG32	876481	Preferably excluded from the	AA873178, AW340076, AA453258, AA453359,
			present invention are one or more	AI200335, AI189856, AI127354, T57079, AA031327,
_			polynucleotides comprising a	AI096450, AA948375, AA031328, AA977624,
			nucleotide sequence described by	AA994405, AI148795, AI340956, AW014990,
		-	the general formula of a-b, where a	AI652909, AI160243, AW026239, AI093526,
			is any integer between 1 to 1386 of	AA923811, AI091630, AI365268, AW380222,
_			SEQ ID NO:1495, b is an integer of	AI367151, N32402, AAS83097, N56822, AA579988,
			15 to 1400, where both a and b	AI343747, H12681, AI825678, AW197534, T29148,
			correspond to the positions of	F08275, AI468467, T95661, T82166, T57151,
			nucleotide residues shown in SEQ ID	AI880292, T81821, F04505, AA481266, R41605,
			NO:1495, and where b is greater	AW372903, AA662708, AW130992, AI818777,
_			than or equal to a + 14.	AA764938, X14356, L03418, X14355, L03419,
				M91645, M91646, M91647, M82819, L03420, M63835,
				M91555, M91554, M63834, S45709, M91552, S45707,
				M63832, M63833, M91553, M91550, M63830, S45704,
				S79667, A37858, AL133558, AF070643, AJ001388,
				AL109725
1496	HMTBE05	876483	Preferably excluded from the	AI026945, AI808573, AI620239, AA948677, N53940,
		_	present invention are one or more	AW249558, AI096948, AA159915, AI095014,
			polynucleotides comprising a	AI871045, AI950931, AA455901, AW009419,
			nucleotide sequence described by	AI149374, AA024477, AI433743, AA428948,

			the general formula of a-b, where a	AA039950, AA16502	AA039950, AA165025, AI884373, AI149074,
			is any integer between 1 to 1470 of	AI184801, AI18860	AI184801, AI188603, AI937231, AA024476,
			SEQ ID NO:1496, b is an integer of	A1469664, W26293,	AI469664, W26293, AA831823, AI766893, AA830218,
-,			15 to 1484, where both a and b	AA476574, AA04000	AA476574, AA040001, AW404545, AA455902,
			correspond to the positions of	AA027936, AI56675	AA027936, AI566799, AA582203, R15907, AA422121,
			nucleotide residues shown in SEQ ID	AI879131, T34650,	AI879131, T34650, Z43817, AA738453, AI220916,
			NO:1496, and where b is greater	N59030, AI419568,	N59030, AI419568, AI300117, AA738075, AI967928,
			than or equal to a + 14.	Z39886, AW071642,	Z39886, AW071642, AA863299, AA877869, AI382238,
				AI149361, AW16960	AI149361, AW169605, AA483840, AI436690,
				AA448896, AI80026	AA448896, AI800263, AI831898, AI262999,
				AI984945, AI9156	AI984945, AI915652, AI701265, AI344209, M79093,
				AI829004, AA02804	AI829004, AA028041, AW408623, AI982982,
				AI202924, AW24610	AW246104, T66533
1497	HKABL05	876484	Preferably excluded from the	AI740522, AI30931	AI740522, AI309318, AI376662, AI741390,
			present invention are one or more	AI742840, AA67908	AI742840, AA679083, AI765150, AW002945,
			polynucleotides comprising a	AW192895, AA00126	AW192895, AA001262, AI052703, AA648295,
			nucleotide sequence described by	AI929375, AW1573	AI929375, AW157334, AI799150, AA577690,
			the general formula of a-b, where a	AA909347, AA6087	AA909347, AA608744, AI879998, AI421323, W55919,
		_	is any integer between 1 to 2178 of	AW373539, W84527,	W84527, AA947742, AA861283, AA065133,
_			SEQ ID NO:1497, b is an integer of	AW168112, AA46000	AW168112, AA460061, AI300565, AW204198,
			15 to 2192, where both a and b	AA155821, AW104051,	151, AI800773, AI193965,
		_	correspond to the positions of	AA101195, AI582368,	68, AW057835, AI348116,
			nucleotide residues shown in SEQ ID	AA527861, AW009823,	123, AW029295, AW022530,
			NO:1497, and where b is greater	AA708118, AW238854,	154, AI452699, AI016610,
			than or equal to a + 14.	AA669337, AA480279,	79, AA278360, AI749692,
				AI160871, AW130090,	190, AA744919, AA760760,
				AW007135, AI275625,	25, AI057288, AI494111,
				AA831711, AA6872	AA687284, AI815697, AI374689,
				AA155925, AI862854,	154, W55920, AI367891, W04222,
				AW272692, AA628638,	38, AA707011, AI800064,
				AA043251, AA160009,	109, N62094, AI671739, AA292750,
				AI052618, AW166814,	314, AA152365, AI475145, N78325,
				AA001852, AI952464,	164, AI953334, AI346774,
				AI243902, AI2715	AI271553, AI637742, AA514862,
				AA025382, AA4842	AA025382, AA484277, AI288842, AI311020, N50975,
				AW027908, AA1322	AW027908, AA132226, AI436690, AI130684, N74257,

	A.	AI198852, AI354226, AI969402, AI026752,
	<u> </u>	AA453035, AA668696, AI090673, AA971631,
-	<u> </u>	AA984913, AW264660, AI798057, N93127, AL120009,
	<u>a</u>	AA628641, AA281226, AA922510, AW163390,
	<u>a</u>	
	A	AW439109, AA088421, AA722831, N23855, AA807549,
	A	AA043590, W67807, AA026016, AA494441, AA179097,
	<u> </u>	AA565588, AA065202, AA928577, AA633795, W15314,
	4	AI886794, W84515, AI797422, AA120907, AA046354,
	4	AA788597, AA083453, AA765379, AA009957,
	A A	
	4	AA741542, AA001988, AI206746, AA160010,
	4	AA586336, AW235920, AA010759, AW075660,
	4	AA131616, AA046070, AA247207, AA002267,
	A	
	<u> </u>	AA780786, AI825394, AA083357, W73815, AI439077,
	A .	AI434359, AI695507, AI344209, W69764, W60465,
	A	AI281441, AA568376, T63795, W38654, AA028052,
	A	AI826611, AI800263, AW270667, AI370333,
	4	AW117628, W52413, AA127865, AW439098, T64108,
	<u> </u>	AA164988, AA211263, AA278324, AA327661, C15972,
	3	W78007, AA011120, T47065, T34888, AA204925,
	4	AI758966, N66464, AA491375, AA292539, AA127890,
	<u> </u>	AA845300, AA092473, D54180, AA827429, AI984945,
	K	AI074775, AW341620, AW438482, N99121, AA054675,
	*	AA226936, T94385, AA126323, AA227046, AI559910,
_	<u> </u>	AA574112, AI290025, AA355027, AA460014,
	A	AW050391, AA926777, AA373413, AA356295,
	4	AA621388, AW009092, AA301008, AA482700, T64028,
	4	AA332547, T35591, AA205052, T63820, AA738461,
	W	AI000546, N33952, T57017, AI887555, AA365643,
	A	AA147057, AA428948, AA448896, AA211143, T51962,
	<u>~</u>	R15907, AA131382, AA142894, T30133, AB030905,
	A .	AC005841, Z84488, U26312, U95740, AF063304,
	A .	AB005618, X56683, A75245, AL023775, D28877,
	ם	U09120, AF086270, T47064, T52042, R36239,

				N38911, N	N38911, N46485, N58965, W39742, AA028051,
			-	AA128181,	AA128181, AA132330, AA147058, AA152387,
				AA186506,	AA186506, AA278995, AA278348, AA525751,
				AA525773,	AA525773, AA525871, AA661828, N56031, C00146,
				AA091857,	AA091857, AA095676, AA170857, AA398724,
				AA665715,	Z19940, AA732979, Z18797, AA991829,
				AI001836,	Z39146, AI341188, AI566368, AI652212
1498	HOCTA74	876487	Preferably excluded from the	AI302800,	AI302800, AW118693, AI808667, AI065036,
			present invention are one or more	AW080952,	AW080952, AA862461, AI201847, AI138543,
			polynucleotides comprising a	AI015998,	AI015998, AA865819, AA470462, AA454546,
			nucleotide sequence described by	AI221895,	AI221895, AA481881, AI039771, AA535254,
			the general formula of a-b, where a	AA482063,	AA482063, AI301489, AA551867, AI018725,
			is any integer between 1 to 671 of	AL121442,	AL121442, AI244932, T88913, AI914566, AI017732,
			SEQ ID NO:1498, b is an integer of	AI016693,	AI016693, AI833052, AA608575, AA120921,
			15 to 685, where both a and b	AA120922,	N57711, AW151576, AI572464, AW303732,
			correspond to the positions of	AI471156,	R85699, H60433, AA890675, AI262997,
			nucleotide residues shown in SEQ ID	AA620388,	
_			NO:1498, and where b is greater	AA889211,	AA707578, AI718799, T47275, AI124998,
			than or equal to a + 14.	AA477467,	H88225, AA680222, H66348, N63309,
				AA131070,	AA131015, AI474581, AI561334,
				AW392670,	Z99396, AW372827, AW384394, AW363220,
				AL119497,	AL134528, AL119443, U46341, AL119457,
				AL119319,	
		••••		AL119324,	AL119324, AL119355, AL119483, AL119484,
				AL119391,	AL119391, AL042965, AL119335, U46350, AL134920,
				AL119522,	AL119522, AL119396, U46351, U46349, AL119418,
				U46347, A	U46347, AL119444, U46346, AL037205, AL134902,
_				AL042614,	AL042614, AL119439, AL042975, AL119399,
				AL042551,	AL042551, AL119401, AL134518, AL134524,
				AL043029,	AL043029, AI142132, U46345, AL042984, AL134531,
				AL134538,	AL134538, AL134525, AL042450, AL043019,
				AL134536,	AL134536, AL037051, AL036725, AL042970,
				AL119488,	AL119488, AL042544, AL042542, AL043003,
				AL119464,	AL119464, S79219, X14608, M22631, M26121,
_				AL122056,	AL122056, A81671, AR066494, AR060234, AR054110,
				AB026436,	AB026436, AR069079

1499	HWLUU48	876490	Preferably excluded from the	AA099027,	AA099027, AI887335,	AI887905,	AI694672,	
			present invention are one or more	AI566740,	AW086500,	AI566740, AW086500, AI222690, AI686357,	AI686357,	
			polynucleotides comprising a	AW085264,	AW085264, AIS90636,	AA411391,	AI431702,	
			nucleotide sequence described by	AI383310,	AA436251,	AI383310, AA436251, AI913708, AI015064,	AI015064,	
			the general formula of a-b, where a	AA453266,	AC004190,	AA453266, AC004190, AP000516, AB014087,	AB014087,	
			is any integer between 1 to 1035 of	AL020989, AC007100	AC007100			
			SEQ ID NO:1499, b is an integer of					
			15 to 1049, where both a and b					
			correspond to the positions of					
_			nucleotide residues shown in SEQ ID					
			NO:1499, and where b is greater					
			than or equal to a + 14.					
1500	HULAJIS	876491	Preferably excluded from the	AI991884,	AI991884, AI872008,	AI660228,	AW167205,	
			present invention are one or more	AW084525,	AA601542,	A1859727,	AI818462,	
			polynucleotides comprising a	AW080935,	AI687318,	AA552217,	AA621566,	
			nucleotide sequence described by	AA886903,	AA706568,	AI379184,	AW000876,	
			the general formula of a-b, where a	AI569542,	AI860861,	AI887280,	AI653757,	
			is any integer between 1 to 1004 of	AA461121,	AI554798,	AI016349,	AA622753,	
			SEQ ID NO:1500, b is an integer of	AI332503,	AI246460,	AI332793,	AI144192,	
			15 to 1018, where both a and b	AA460819,	AA563883,	AA455216,	AA621675,	
			correspond to the positions of	AA862530,	AA858222,	AA581826,	AI806046, N35715,	N35715,
			nucleotide residues shown in SEQ ID	AW328329,	AI262551,	AI204029,	AI149450,	
			NO:1500, and where b is greater	AW071084,	AI289219,	AA609900,	AA927266,	
			than or equal to a + 14.	AI707484,	AI095745,	AA618130,	AI721109,	
				AA931503,	AI440027,	AI275080,	AI299248,	
				AI276688,	AI750085,	AA088417,	AA304654,	
				AI262552,	AI688181,		AW294666,	
				AI335810,	AI748980,	A1335786,	AA088540,	
			-	AA420995,	AI355863,	AA102237,	AA070673,	
				AA595597,	AI750051,	AI749025,	AI811127,	
				AI086655,	AI278320,	AA443973,	AI080248,	
				AI367574,	AA421075,	AA052939,	AI418137,	
				AA902863,	AI265947,	AA931116,	AA430411,	
				AA251968,	AI355088,		AW305028,	
	_			AI005354,	AI367787,	AA913300,	AA053492,	
				AW008828,	AW008828, AI355089,	AI890124, AA564009,	AA564009,	

				AI359453, AI282383, W45582, W52209, AA102236,
				T67787, AI368584, AI382940, AA846519, AI095153,
				AA578680, AA838282, AA879315, AA305607,
				AA430359, AI095598, AI708067, AI383117, T67711,
				AI720469, AA879062, AA186928, AA494466,
				AI832504, H79930, AA417983, W45545, AA469124,
_				AA526593, AI719480, AI832612, AA420865,
				AI041840, AA305069, AI244411, AW088865,
				AI264706, AA242885, N35628, AA858264, H62987,
				AI460162, AA865264, AA418153, AI435908,
				AA353482, AA740793, AI310701, AI143647,
_				AA320588, AI541426, AI581554, AA420466,
	•			AI472533, AA188357, AI888688, AA373467,
				AA630328, T61575, AA330716, AI460166, AI381692,
				R44192, AA444156, H62866, H96297, AII31189,
				T29504, AA193634, AI217206, AA102029, AA136055,
				AW028629, AA853950, AA294960, AA330845,
				AIS82088, W79666, AA377021, W74128, AA370626,
				AAB76408, AI000545, AI749041, R02407, AA102028,
				AA126713, R23407, U46351, AA193598, AI581181,
•				AW082579, T61023, H96296, W24691, AI431603,
				T82007, AI123178, R02308, AA216169, AA469193,
				N26519, AA576977, AI858582, N93058, AI361535,
				H79833, R63786, H57907, AB006780, M36682,
				M35368, M57710, AR036975, S59012, L23429,
				X78879, U06470, X16834, J02962, J03723, X16074,
				AR036976, L08649, AF031422, AF031425, M33215,
				AF031424, AF031423, AL133655, AL121593, U89295,
				A59344, M27260, AL122093, AL117599, AL133015
1501	HSYAJ64	876494	Preferably excluded from the	AA773574, AI870173, AI090858, AA599163,
			present invention are one or more	AA205487, AL134981, AA308686, AW247784,
_			polynucleotides comprising a	AW377280, AA581816, AI435156, AA599212,
			nucleotide sequence described by	AA164748, AI499069, AW148604, AA181056,
			the general formula of a-b, where a	AI828823, AA160573, AA894927, AA446427,
			is any integer between 1 to 2017 of	AA308175, AA314621, AA812415, AW377338,
			SEQ ID NO:1501, b is an integer of	AA307680, AW377313, AA315193, AA514946,

	15 to 2031, where both a and b	AA948141, AA652118, AI090292, AA435521,	
-	correspond to the positions of		
	nucleotide residues shown in SEQ ID	AA768432, AI082283, AA024693, AA456625,	
	NO:1501, and where b is greater	AI911813, AI363735, AA446119, AA652124,	
	than or equal to a + 14.	AA424926, AI263712, AA024647, AA205575,	
		AI004571, AA630601, AA307175, AA164747,	
		AI042562, AI934643, AI341665, AA313490, N75485,	N75485,
		AA207213, W91894, AA426166, AA307366, AI433060,	433060,
		AA307046, AA195483, AA252561, AA527990,	
		AA989506, AA223574, AI270387, AA243053,	_
		AA455806, AA307677, AW403863, AA315014,	
		AA159366, AA157555, AA158206, AI568188,	
		AI028221, AI445024, AA927196, AA307925,	
		AA649534, T28878, AI085919, AW392054, AA776680,	1776680,
		AI672839, AA312108, AA376260, AW392206,	
		AA654257, AI865398, AA347324, AA626750,	
		AA219493, AI630717, AA307419, AA662020,	_
•		AIS10831, AA442877, AA350306, AA362375,	
		AI935046, AA152328, AI305172, W05296, AI278536,	278536,
		AI308922, AA053461, AA053213, AA135056,	
		AA186979, AW173202, AW377352, AA206750,	
		AA608732, AI025236, AI719108, AA325720,	
		AI922470, AA223615, AA152329, AA626448,	
		AA649822, AA300684, AA362586, AA626522,	
-		AW377293, AA315660, R14052, AA333552, R37150,	17150,
		R15974, AIS69355, AA190772, AA362376, AA593069,	1593069,
		AA921347, AA316929, AA180011, AA134971,	W95113,
		AA978212, AI932667, AA040890, AA830424,	
		AW383641, AI632334, AA947203, AA326527,	
		AA629781, AW383640, AA954366, R05778, C21408,	1408,
		R05864, AW392327, AA191382, AA322735, H55311,	55311,
		AW383658, R15975, AW410508, AA995270, AA160528,	160528,
		AA219455, AI703040, AW104153, M27396, M.	M15798,
		M27838, X52130, U07201, U07202, U38940,	-
		AC005326, L35946, M27054, L35936, L35937	
		L35938, L35945, L35940, L35941, L35942, L35939,	L35939,

				L35943, L35944, L35935, T66600, T66601
1502	непрі	876495	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1449 of SEQ ID NO:1502, b is an integer of 15 to 1463, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1502, and where b is greater than or equal to a + 14.	AA926696, H16874, AW376009, AA313468, R23401, N35321, R13283, AW152493, AT027550, T11328, AR036119, X92689, U70538
1503	HLY6A23	876496 496	Preferably excluded from the present invention are one or more polynuclectides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 556 of SEQ ID NO:1503, b is an integer of 15 to 570, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1503, and where b is greater than or equal to a + 14.	AMUGIBO1, NS6973, N73756, AA479038, D44982, N81193, W65438, H25021, N22293, N47355, AA877373, AA477521, AA559499, AA838190, AM172858, AI887235, AL114275, T59612, AM169038, AA847980, AI087244, H02058, AI590442, AB014528, AC00505, AL155783, AL117258, AL13163, AL137100, AC064859, AL035410, AC10667, AC002349, AC005725, AF205588, AC008033, AC005251, AC007488, AL033533, AC006722, AC007011, AC006547, AC06080, Z98304, Z84469, AC005664, AF031078, AF030876, AF031076, Z95152, AC004019, AC005280, Z69907, AC006213, AC007388, AL049569, Z93016, AP000344, AL031597, AC004605,
1504	наропо	876498	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 484 of SEQ ID NO:1504, b is an integer of 15 to 498, where both a and b	AI949815, AI813450, AI819294, AI26333, AA421819, AI089074, AA834705, AA847960, AI559836, D31784

			correspond to the positions of nucleotide residues shown in SEQ ID NO:1504, and where b is greater than or equal to a + 14.	
1505	HE80T93	876499	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2047 of SEQ ID NO:1505, b is an integer of 15 to 2061, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1505, and where b is greater than or equal to a + 14.	AA486504, AA133234, AI339710, AA743093, AI688621, AI096844, AA129712, AI860744, AI420708, AI278953, AI278568, AW006666, AI551986, N68247, AI358873, AA314945, AA341071, AI346152, AI219397, AA488692, AA148150, AI352046, AW050985, AI090396, R60368, AA62449, AW272569, AA308535, AI471517, AW135592, AW272569, AA308735, AI471517, AW135592, AA553456, AA351801, N26228, AA143763, AA557513, H87951, N57132, AW051845, AW394065, H95626, AA309736, AW204673, AI457186, AA376417, AA510135, AI805191, AA376416, AA310109, N68052, AU5991, AI049818, Z21567, AA079141, AW389275, AL049742, D86997, B88269
1506	H2LAB08	876503	Preferably excluded from the present invention are one or more polynuclectides comprising a nuclectide sequence described by the general formula of a-b, where a is any integer between 1 to 2382 of SEQ ID NO:1506, b is an integer of 15 to 2396, where both a and b correspond to the positions of nuclectide residues shown in SEQ ID NO:1506, and where b is greater than or equal to a + 14.	AI911983, AI927427, AI889004, AI693602, AL045565, AI767631, AI169323, AA576743, AI201732, AA811424, AA436321, AA876743, AI201732, AA811424, AA436321, AA876674, AI980133, AA262396, AI980125, AA827237, AW88600, AI890814, AA776086, AI708713, AA436097, AI819536, AA313219, AI26738, AA550977, AI819536, AA310519, AI267436, AA307642, AI569986, AI174417, AA251902, D19596, AA307642, AI569986, AI174417, AA251902, D19596, AA51628, AI44632, AA51615, AW477185, AI27399, AI000199, AA51128, AI474632, AA651878, AA378902, AA51528, AI34157, AA243609, AI267661, AA525290, AI824311, R37260, R59445, AA378902, BO1809, AA336118, R12332, AA831575, R75944,

			H00410, AA354320, AA602417, AI567956, D79295,
			N87729, H03382, H01205, R31246, H00817, R39541,
			R92975, AL045564, D58065, AA730991, C16596,
			C16509, AA580841, AA383636, AA296630, D62972,
			D82320, AW073685, AI364834, AA598715, AI355779,
			AI289791, AI539800, AI500714, AI355008,
			AI866469, AI434242, AI539771, AI889189,
		-	AI815232, AI537677, AI371243, AI582932,
_			AI582912, AI927233, AI433157, AI612913,
			AI491710, AI366900, AI804505, AI610362,
_			AL039390,
			AI924051, AI366910, AI539847, AI521596,
			AW074057, AI932620, AL040207, AIS90043,
			AL042944, AI567935, AIS39260, AI866465,
			AI500523,
			AI923989,
			AI500706, AI445237, AI491776, AW151138,
			AI521560, AI500662, AI284509, AW172723,
			AI440263, AI538885, AI889168, AI866573,
			AI633493, AI434256, AI805769, AI888661,
_			AI284513, AI888118, AI285439, AI859991,
			AI436429, AI889147, AI623736, AI581033,
			AI371228, AI440252, AI431307, AI440238,
			AI567971, AI866786, AI860003, AI610557,
			AI431316, AI242736, AI828574, AIB87499,
			AI885949, AI285419, AW089557, AI559957,
			AI521571, AI469775, AI866581, AI567953,
			AI815150, AI446495, AI867068, AI225248,
			AI610426, AI567940, AI282264, AI926593,
,			AF035293, AF081281, AF052112, AF077198,
			AF077199, D63885, AC004062, U97146, AR028701,
			U97147, U97148, U89352, AC004548, AL133074,
			X17793, AL133076
1507 HISBB72	876504	Preferably excluded from the	AI589824, AW149545, AA826266, AI285235,
		present invention are one or more	AA548396, AI580850, AI934791, AI262821,

			polynucleotides comprising a	AI288864, AA933871, AW379374, R55964, AA741334,
			nucleotide sequence described by	
			the general formula of a-b, where a	U41901, AR030574, AR030579, AR030578, AR030581,
			is any integer between 1 to 1139 of	AR030575, AR030577, AR030580, AR030582,
			SEQ ID NO:1507, b is an integer of	AR030589, Z94719, Z94720, Y08171, Z94718,
			15 to 1153, where both a and b	AR030590, AR030583, AR030587, AR030584,
			correspond to the positions of	AR030585, AR030588, AR030586, AR030591, AR030592
			nucleotide residues shown in SEQ ID	
			NO:1507, and where b is greater	
			than or equal to a + 14.	
1508	HCHBN47	876507	Preferably excluded from the	AP000066
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
		_	the general formula of a-b, where a	
			is any integer between 1 to 638 of	
			SEQ ID NO:1508, b is an integer of	
	_		15 to 652, where both a and b	
	_		correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1508, and where b is greater	
			than or equal to a + 14.	
1509	HFADJ29	876511	Preferably excluded from the	AI114564, AI064937, AI207577, AW024388,
			present invention are one or more	AA167328, AI357366, AI826158, AI656065,
			polynucleotides comprising a	AA890501, AA314294, N72119, AI368841, N25212,
			nucleotide seguence described by	AI796295, AI215697, N48787, AI066435, AA171687,
			the general formula of a-b, where a	AA043292, AI270341, AI191607, AI632032,
			is any integer between 1 to 1216 of	AI873864, AA508855, AI828826, AA996333,
			SEQ ID NO:1509, b is an integer of	AW192143, AI298715, AI872218, AI687959,
			15 to 1230, where both a and b	AI753230, AI926791, AI436234, R74567, AA828059,
			correspond to the positions of	AA640994, AI801845, AA644673, AA492531,
			nucleotide residues shown in SEQ ID	AI219265, AA043291, R76364, AI695300, H03697,
			NO:1509, and where b is greater	AI628314, AI302487, AA147569, R62982, AA312605,
			than or equal to a + 14.	H00964, AA305334, AA156441, AA370497, AA333089,
				R97205, AA657712, R63037, R76689, AA769559,
				AA761876, AA167149, H64689, H65183, H00965,

				C03639, AA361522, AA370109, AW131681, T48460,
				T39360, AA171802, N45578, AA330808, AW379530
1510	HWLQP42	876513	Preferably excluded from the	AA196276, AA524473, AL040260, AA533568,
			present invention are one or more	AA600703, AA773551, AA292150, AA004500,
			polynucleotides comprising a	AI928071, AI612760, AA411191, AW264086,
			nucleotide sequence described by	AW206769, AA496356, AA434061, W42808, AA232555,
			the general formula of a-b, where a	AA292045, AI085934, AA182481, AA292071,
			is any integer between 1 to 999 of	AI087140, AA004501, AA496406, AA434125,
			SEQ ID NO:1510, b is an integer of	AW317087, AI752948, AA443125, AA456190,
			15 to 1013, where both a and b	AA400594, AA292028, AI682335, R73572, AA766115,
			correspond to the positions of	AA292042, H61296, H61291, AL043495, AA044201,
			nucleotide residues shown in SEQ ID	R11520, AA705241, AA652065, AA043939, AI536587,
			NO:1510, and where b is greater	R97731, AI352191, AI630315, AA350112, D31167,
			than or equal to a + 14.	AA031359, T85323, AA429498, H15771, R44134,
				AI351143, AW138388, AA661960, AI215409,
				AA411071, AW243696, R72952, AW068860, AI567210,
				AI393957, AI970891, AI273925, AA321611,
	-			AA401967, AI224608, AI084609, AI279699,
				AA031603, AI915877, AA400679, AI092030,
				AA031637, AI630462, AA429499, AA031476,
				AA301177, H15770, AW381505, AA182758, AW381475,
				R10445, AW381498, AI992085, AA312507
1511	HDPAG07	876518	Preferably excluded from the	AA305114, AL022398
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 442 of	
			SEQ ID NO:1511, b is an integer of	
			15 to 456, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1511, and where b is greater	
			than or equal to a + 14.	
1512	HLTAR39	876524	Preferably excluded from the	AI133655, T96748, AW369762, AA350015, AA360756,

			present invention are one or more	AW386072 AT625829 AA534216 AW243183	A534216. AW243183.	
			polymucleotides comprising a	AW367779, AI697340, AI754731, AW367807,	I754731, AW367807.	
			Free June 19 to 19	# 10000 # 100000	, , , , , , , , , , , , , , , , , , ,	
			nucreoriae sednence aescribea by	ACCOSTION, ACCOSTO, AFORBAIS, ACCOSTO	FUBBLIS, ACTUBUZE	
			the general formula of a-b, where a			
			is any integer between 1 to 2153 of			_
			SEQ ID NO:1512, b is an integer of			
			15 to 2167, where both a and b			
			correspond to the positions of			
			nucleotide residues shown in SEQ ID			
			NO:1512, and where b is greater			
			than or equal to a + 14.			
1513	HWLRF38	876526	Preferably excluded from the	W183028, N28485, AI3	AW183028, N28485, AI306451, AI536589, AW072566,	26,
			present invention are one or more	(24976, H82376, AI814	N24976, H82376, AI814709, AI376566, AI352453,	_
			polynucleotides comprising a	AI590303, AI280262, AI761747, AA554283,	J761747, AA554283,	_
_			nucleotide sequence described by	AI222990, AA644328, AA661978, AA587549,	A661978, AA587549,	_
			the general formula of a-b, where a	AA045302, AW274520, AW043629, AA630727,	W043629. AA630727.	
			is any integer between 1 to 818 of	AW273650, AI368900, A	AI368900, AI381943, AI290422,	
			SEO ID NO. 1513 big an integer of		AA993296 AA977315 AW337456	
			10 to 500 ::how hoth a mad h		OLCACATA CACCOATA AAGETA AAGETAAA	
			15 to 832, where both a and b		11/865, A1493253, A162431	۰ ۱۹۲
			correspond to the positions of		AI168437, AA757538, AA977243,	_
			nucleotide residues shown in SEQ ID	AI740891, AA524068, A	AA524068, AA628420, AI123070,	
			NO:1513, and where b is greater	AI692442, AI868044, A	AI868044, AA687907, AI370323, T31450,	50,
			than or equal to a + 14.	AI867272, N46853, N67	N46853, N67292, AW276010, N69329,	
				AI768256, AI022628, R	AI022628, R83171, AW073539, AA180796,	96,
		_		AI761569, AA045408, A	AA045408, AW134931, AW085513,	
				AW059629, D11973, AL1	D11973, AL133563, AJ006412, AB018284,	84,
				AJ006776		
1514	HCRNM09	876530	Preferably excluded from the	AW362945, AI916280, AA632418, AW451840,	1A632418, AW451840,	
			present invention are one or more	AA579245, R85405, AW366782	166782	
			polynucleotides comprising a			
			nucleotide sequence described by			
			the general formula of a-b, where a			
			is any integer between 1 to 1350 of			
			SEQ ID NO:1514, b is an integer of			
			15 to 1364, where both a and b			
			correspond to the positions of			

			nucleotide residues shown in SEO ID		
			NO:1514, and where b is greater		
			than or equal to a + 14.		
1515	HOBAE30	876533	Preferably excluded from the	AA947739, AI400455, AI079804, AW270919,	_
			present invention are one or more	AI435830, AI452944, AA747433, AI570117,	
			polynucleotides comprising a	AW207124, AI580309, N95645, AI309204, AI338445,	38445,
_			nucleotide sequence described by	AI272895, AI499408, AW079078, AI797006,	
			the general formula of a-b, where a	AI917984, N98806, AA282725, H01411, H00875,	5,
			is any integer between 1 to 1479 of	AIS65322, AI240334, H01410, R74104, AA831514,	514,
-			SEQ ID NO:1515, b is an integer of	R61345, AW150637, AA301342, N69359, R74103,	3,
			15 to 1493, where both a and b	AI672118, H00874, H78279, AA514041, T49557,	7,
			correspond to the positions of	H79404, AI739220, R31153, AI864092, AA344229,	229,
			nucleotide residues shown in SEQ ID	AA693339, T49556, R31104, AA085178, N83511,	1,
			NO:1515, and where b is greater	AI373773, AI349772, AW104724, AL119748,	
			than or equal to a + 14.	AW071349, AL121365, AI633419, AI537677,	
				AW198090, AW087445, AL121270, AL045500,	
				AI433976, AI871697, AI433157, AI536685,	
				AI609331, AI612913, AI568855, AI269205,	
				AI682743, AI682106, AI866457, AL121328,	
				AI815855, AI538716, AL036802, AI580927,	
				AI440239, AI436456, AI590415, AL047763,	
_				AI499463, AI207510, AI275175, AI064830,	
_				AL045903, AI687728, AI802542, AI500523,	
				AI815383, AI621209, AL119791, AI539771,	
				AIS00659, AI524671, AI863014, AW117882,	
				AI684265, AI620284, AI469532, AI906328,	
		-		AL036146, AIS80190, AW071417, AI818683,	
_				AI284484, AW274192, AL036396, AI521012,	
				AI702406, AA470491, AW301409, AL036361,	
				AW080838, AW169671, AI920968, AI637584,	-
				AI439717, AI349256, AI499393, AI491852,	
				AI934035, AI907070, AL043981, AI648684,	
				AW074993, AL036274, AI149592, AI539153,	_
				AI564719, AI439745, AI872711, AI568870,	
				AI613017, AL135661, AL047042, AI690835,	

	AW129659.	AT250293.	AI432969.	A1445025
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	AW303152,	AL045266,	AL043326,	AI567351,
	AI345111,	AW238730,	AI619502,	AW268253,
	AI349598,	AL044207,	AW026882,	AL040169,
	AW150578,	AI343112,	AI349933,	AI491776,
	AI285735,	AI783504,	AI690426,	AI631107,
	AL079963,	AI866608,	AL121014,	AI857296,
	AI499512,	AI349004,	AI281762,	AI590227,
	AI873731,	AL038778,	AW088793,	A1440426,
	AI580984,	AI269862,	AL119828,	AI439762,
	AI570909,	AI673710,	AI815232,	A1340582,
	AI682841,	AW103371,	AI635461,	AW149869,
	AI625079,	AI274541,	AI610756,	AW008048,
	AL043975,	AW089572,	AI348897,	AI922901,
•	AI636456,	AI538259,	AI312152,	AI282903,
	AI349937,	AW162071,	AW129202,	AW169132,
	AI281773,	AI284020,	AI284020, AI678302,	AL048871,
	AI634737,	AW090013,	AI249257,	AI636445,
	AW118512,	AW131954,	AW196141,	AI612920,
	AI554484,	AI811344,		AI570384,
	AW002342,	AI569616,	AI475451,	AI702433,
	AI224992,	AI799199,	AI271786,	AI273142,
	AI432656,	AA508692,	AA508692, AW068845,	AI269696,
	AI590128,	AI934036,	AI934036, AW302965, AI800453	AI800453,
	AI800433,	AI560099,	AI560099, AW132121, AI284517,	AI284517,
	AA613907,	AI498579,	AI498579, AI445165, AL117613	AL117613,
	AF147302,	AF090900,	I48979, A	AF090900, I48979, AF113694, AL080124,
	AL133640,	I89947, Y	11587, AFO	I89947, Y11587, AF090934, S78214,
	AF113691,	AL133606,	AF090903,	AL133606, AF090903, AL117460,
	AL049938,	L31396, A	L122093, L	L31396, AL122093, L31397, AF104032,
	AL133016,	AL050138,	AF078844,	AL050138, AF078844, AL050146, U42766,
	AF106862,	AL117457,	S68736, A	AL117457, S68736, AF090901, AF113019,
	AL050393,	AL122050,	I89931, A	AL122050, I89931, AL133075, AF017437,
	AL050149,	AF113690,	AF113690, AF113677, AF118070,	AF118070,

	-			AF090943, AL137459, AF113013, AL110196,
				AF118064, AF113676, AJ242859, AL050277, X84990,
				AF125949, AF090896, A93016, AL110221, AL080060,
				E03348, A08913, AF017152, AL050108, A08916,
				AF113689, Y16645, AL049452, AR059958, AL096744,
				AL022147, AL133557, AL137557, AL050116,
				AL137527, AL133565, AL049314, AL122123,
				AL133080, AL049466, AB019565, AL080137, E07361,
				AF158248, AL133093, AF111851, I48978, AL122121,
				AC007390, AF177401, AJ000937, AF125948,
_				AF113699, AF091512, Y11254, AL117435, AF091084,
				AL137283, AC002464, AC004883, U62317, X63574,
		_		AL035587, AC004686, U91329, AF146568, AR011880,
_		_		AL137550, X82434, AF097996, AF079765, AC007298,
				AL133560, AL110280, AL117394, AL049430,
_	•	_		AL110225, AJ012755, AC004383, A65341, AL078602,
_		_		Z98036, I49625, AC005291, AC006115, AL133113,
	_			I66342, AF042090, AC006501, U95739, AL049382,
	_			AJ238278, E07108, AC007458, AC002538, AC004200,
				AL137294, E02349, AL117585, A77033, A77035,
				AL049300, AC006371, AC005829, Z82206, AL137271,
_				AL117583, U00763, A58524, A58523, AL133014,
				AC004987, A08910, I33392, AL122098, AL049464,
				A08912, AC002467, AF183393, A12297, X70685,
				AL031732, AC010077, AL122110
1516 H	HATCV09	876534	Preferably excluded from the	AI650305, AI949332, AI206515, AI188549,
			present invention are one or more	AW169558, AA857218, AI433853, AW204540, R68303,
_	•		polynucleotides comprising a	R42247, AA994295, AI580329, AI624558, AA602338,
			nucleotide sequence described by	R44174, Z40075, AI015727, N34408, R74002,
			the general formula of a-b, where a	R68268, R53421, R54010, Z38312, R44219, R49558,
			is any integer between 1 to 2095 of	AA090402, F01959, AA090979, U72788, AI304833
_			SEQ ID NO:1516, b is an integer of	
			15 to 2109, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1516, and where b is greater	

			than or equal to a + 14.				
1517	HCRNE16	876535	Preferably excluded from the	AI274758, C06072, AI589250, AI470584, AA227219,	AI589250,	A1470584,	AA227219,
			present invention are one or more	AW021868, AA747122, T27280, AC007501, U80736	12, T27280,	AC007501,	U80736
			polynucleotides comprising a				
_			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 576 of				
			SEQ ID NO:1517, b is an integer of				
			15 to 590, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1517, and where b is greater				
			than or equal to a + 14.				
1518	HCRPV63	876536	Preferably excluded from the	AI143683, AI924826, AA086365, AI792153, Z79581,	6, AA08636	5, AI79215	3, 279581,
			present invention are one or more	Z79582, S81107			
			polynucleotides comprising a				
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 411 of				
			SEQ ID NO:1518, b is an integer of				
	_		15 to 425, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1518, and where b is greater				
			than or equal to a + 14.				
1519	HSKKP02	876538	Preferably excluded from the	AA916748, R83779, AA331626, AA400220	. AA331626,	AA400220	
			present invention are one or more				
			polynucleotides comprising a				
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 1172 of				
			SEQ ID NO:1519, b is an integer of				
			15 to 1186, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1519, and where b is greater				

			than or equal to a + 14.	
1520	HOVAN13	876540	Preferably excluded from the	
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 446 of	
		_	SEQ ID NO:1520, b is an integer of	
			15 to 460, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1520, and where b is greater	
			than or equal to a + 14.	
1521	HWBEX78	876543	Preferably excluded from the	W20138, AA229752, AI380196, N44538, AA026809,
			present invention are one or more	R41836, N71112, N33777, W05473, AA026870,
			polynucleotides comprising a	W15415, AA888089, W39614, R68936, AI143439,
			nucleotide sequence described by	H05574, AA229960, H00351, R63287, T54159,
			the general formula of a-b, where a	C05110, AI867490, H00306, W91983, T53767,
_			is any integer between 1 to 1658 of	R63233, AA768472, T54164, R71658, R71163,
		_	SEQ ID NO:1521, b is an integer of	N91009, T53773, R68825, AL137657, AL109669
			15 to 1672, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
		-	NO:1521, and where b is greater	
			than or equal to a + 14.	
1522	HRODG74	876544	Preferably excluded from the	AI797095, AA902901, N47240, AI252632, AI718169,
			present invention are one or more	AW079806, H09548, AI203811, AA459245, D25745,
			polynucleotides comprising a	C21350, R63205, AC006065, AC002368, AF025422
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 574 of	
		~	SEQ ID NO:1522, b is an integer of	
			15 to 588, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1522, and where b is greater	

			100000000000000000000000000000000000000	
			+	
1523	HCROK30	876545	Preferably excluded from the	AA278251, AA682308, AI540716, AI184153
		_	present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 506 of	
			SEO ID NO:1523, b is an integer of	
			15 to 520, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1523, and where b is greater	
			than or equal to a + 14.	
1524	HDABK73	876546	Preferably excluded from the	AI744148, AI744113, AI860811, AI889014,
			present invention are one or more	AI765413, AW237314, AI765401, AL042645,
			polynucleotides comprising a	AI867571, AW293518, AA534578, AI432178,
			nucleotide sequence described by	AW169762, AA506984, AA420605, AI142237,
			the general formula of a-b, where a	AA406169, AW188054, AI147954, AA430324,
			is any integer between 1 to 2777 of	AL040186, AI197943, AI589634, AA569041,
			SEQ ID NO:1524, b is an integer of	AI015938, AA433904, AA070872, AI188829,
			15 to 2791, where both a and b	AI124780; AA421239, AI149224, AA420647,
			correspond to the positions of	AI916160, W73655, AI076564, AI768356, R51293,
			nucleotide residues shown in SEQ ID	AI638215, AI125307, W51790, AA172002, AA425349,
			NO:1524, and where b is greater	AA565222, AA313542, AA825728, R35270, AW204507,
			than or equal to a + 14.	AA100809, W28763, AI222042, AI479185, W26572,
				W45413, W73608, R52192, AI160529, AW440819,
				AI422286, AI298011, AA171761, AA421279, R51403,
_				H62930, R52097, R59309, AA581790, W81419,
				AI768849, W40121, AI708313, AA373236, AW368276,
				AA434583, Z42217, W81420, AI962360, AA325784,
				R59310, AI271621, T25845, T06069, F05246,
				AA806028, Z38264, AA071023, AA815452, N54389,
				AA810542, AA383377, AI370602, R50941, T87272,
				T87186, F01748, AA947741, AA773493, AA890049,
				AI985779, AA984284, AW272799, AL043147, AB007891
1525	HOGCO78	876548	876548 Preferably excluded from the	AI471995, AW393929, AA044743, AI741975,

	present invention are one or more	AA044797,	AI720824, AI992258,		AI480029,
	polynucleotides comprising a	AI803250,	AI095557, AI245572, AA662934,	AI245572,	AA662934,
	nucleotide sequence described by	AA876346,	AW327457, AW393932, AW157188,	AW393932,	AW157188,
	the general formula of a-b, where a	AI669783,	AI286104, AA025525, AI090194	AA025525,	AI090194,
	is any integer between 1 to 673 of	AI128230,	AI095934, AI189306, AI950299,	AI189306,	AI950299,
	SEQ ID NO:1525, b is an integer of	AI467898,	AA028934, AI742307, AA194396,	AI742307,	AA194396,
	15 to 687, where both a and b	AI809949,	AI160162, AI122798, AI034059,	AI122798,	AI034059,
	correspond to the positions of	AI244940,	T55337, HZ	2613, AI4	T55337, H22613, AI431317, AA746600,
	nucleotide residues shown in SEQ ID	AI150927,	R19215, A	431319, RS	R19215, AI431319, R96173, AW043889,
	NO:1525, and where b is greater	AA876265,	AA876265, AA844331, AW129224, AA860575,	AW129224,	AA860575,
	than or equal to a + 14.	AA487470,	AI432084,	US6654, AV	AA487470, AI432084, US6654, AW157607, AA669015,
		AI825990,	AI825990, AA335548, AA731264, AA932576,	AA731264,	AA932576,
		AA768549,	AI270663,	AI497894,	AA768549, AI270663, AI497894, AI221399, R13183,
		T39355, A	4564849, A3	.866853, AV	139355, AAS64849, AI866853, AW272239, AW150208,
	-	AIS72774,	AIS72774, AA668506, AI872423, AI866127,	AI872423,	AI866127,
		AI568138,	AI568138, AA641818, AI923370, AW118518	AI923370,	AW118518,
		AL038665,	AL038665, AW264727, AI582932,	AI582932,	AW078818,
		AI866469,	AI687168, AL037582,	AL037582,	AL037602,
		AI241923,		AI473536,	AI866465,
	•	AI559872,	AI955117,	AW020095,	AW078606,
		AI288285,	AW090451,	AL046942,	AW079409,
		AI635016,	AL079963,	AI827058,	AIS90043,
		AI866780,	AI687166,	AI620302,	AI611738,
		AI446721,	AI961589,	AL041772,	AI500061,
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		AL039132,	AI581362,	AI624293,	AI434656,
		AI587279,		AIS61228, AW051226,	AI348870,
		AA983883,	AL135024,	AI289542,	AI554821,
		AI453339,	AL138420,	AW149925,	AW150557,
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		AA225339,		AI860897, AI418681,	AL036638,
		AI923989,	AI800341,	AI800341, AW131294,	AI539800,
		AI621341,	AI633125,	AI633125, AI698391, AI538564,	AI538564,
		AL040827,	AL046466, AW152182,	AW152182,	AI270429,

	6	ATTREPTO ATCOUNCE ATCOUCAA ATCOUNCE

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		AI434731, AI538817, AI571439, AI279925,
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		AI500714, AW196078, AI673363, I33392, AL137480,
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		AJ005690, A08908, AF090903, AR038854, X82434
		S36676, AL137557, AL137476, AF183393, AL080154,
		AL117457, A08913, Z97214, A65340, AF107847,
		I17544, A08912, E06743, AF1111112, I48979,
		I33391, AL117416, AL117460, A08916, S76508,
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		AL122093, AL133113, AL050092, AR034821,
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	A86558, AL049938, AL049466, AL137550, AL133014,	014,
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	. AF125948, I66342, AJ010277, AF090901, AL110222,	1222,
	AR011880, AF118094, AF090943, AR068753,	
	AL110296, AL137459, AL049452, AL137529,	_
	AL133016, A23630, AF081197, AF081195, AL117648,	1648,
	X06146, X56039, X62580, AL137560, AL137271,	_
	AL133081, L31396, S77771, AL137537, L19437,	_
	AL049314, A49139, AF061795, AF151685, S83440,	.01
	AF044323, AL050393, AF106862, AF169154, A08911,	3911,
	U67958, Y10936, AL049430, X80340, AF118092,	
	AF192557, AF176651, AF106697, AF017152, I09499,	9499,
	I80064, AL137488, AL133619, AL133072, U35846	16,
	AF032666, AJ012755, Y10080, X63410, I89944,	
	X10655, AL050277, AL133637, AL117587, AF153205,	3205,
	AF158248, U80742, AF139986, U75932, A21103,	
	L04849, AF113694, AF091084, AF113690, AF145233,	5233,
	AF118070, E04233, AL080110, U49434, AF026124,	24,
	U96683, AL110221, AL117578, U87620, A58545,	

D16301, AL137658, U72621, AL080126, AF104032, AL110218, I68732, E12747, AL133560, X81464, AF013214, AF078844, AL080060	AA737831, AA651628, AI239587, AA912347	AI040700	AI950957, AA454500, AW301277, AW409745, W19086, AW388466, AW388282, AA129369, AA159856, AW450017, AW418819, H56484, AA437031, AW082355, AW204742, U28413
	Preferably excluded from the present invention are one or more polynucleotides comprising a polynucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 694 of SEQ ID NO:1526, b is an integer of 15 to 708, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1526, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more present invention are one or more polynucleotides comprising a polynucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 604 of SEQ ID NO:1527, b is an integer of 15 to 618, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1527, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a pulloucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1089 of SEQ ID No:1528, b is an integer of 15 to 1103, where both a and b correspond to the positions of
	876549	876551	876553
	HCRNG10	HWLRR08	нтегрѕѕ
	1526	1527	1528

1 17 15	HDLAR46 87 H2CBW66 87 HOGDS65 87	nucleotide residues shown in SEQ ID NO:1528, and where b is greater than or equal to a + 14.	more a by there a	Preferably excluded from the present invention are one or more potential invention are one or more potential from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 424 of SEQ ID NO:1530, b is an integer of 15 to 438, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID No:1530, and where b is greater than or equal to a + 14.	### Preferably excluded from the present invention are one or more present invention are one or more polynucleotides comprising a polynucleotide sequence described by the general formula of a-b, where a part integer between 1 to 2048 of Addition, AM1912483, AW02066, AA613715, is any integer between 1 to 2048 of Addition, AM1912483, AW021810, SEQ ID NO:1531, b is an integer of Addition, AM191269, AM378456, AM074810, AM1918466, AW007451, and b AM1918498, AW378496, AW007451, and b AM1918498, AW3784966, AW007451, and b AM1918498, AW3784969, AW3784966, AW007451, and b AM1918498, AW3784966, AW07451, and b AM1918498, AW3784969, AW3784966, AW07451, and b AW3784969, AW3784966, AW07451, and b AW3784969, AW3784969, AW3784969, AW3784969, AW3784969, AW07451, and b AW3784969, AW378496
		nucleotide re NO:1528, and than or equal			

AW368530, AI341438, AW378317, AI290266, AW368521, AI280695, AW384490, AI418400, AL970613, AI160977, AW023591, AA947181, AW243772, AI040737, AA055400, AW316536, AA962716, N71882, AI376268, AW384491, AI076554, AL952506, AA257017, AA490466, H88912, N69323, AI312481, AA055599, N67469, M86849, I74304, X51615, M81445, M63803, U43932, AF144321	AA587891, AA748293, AA313745, AW449668, U84007, U84009, U84010, U84001, L10605, M85168, AB035424, AB035422, AB035425, AB035423, AB035421	H66220, AA809449	AI361150, AI939490, AW089648, AF002993
nucleotide residues shown in SEQ ID NO:1531, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1144 of SEQ ID NO:1532, b is an integer of 15 to 1158, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1532, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by a the general formula of a-b, where a is any integer between 1 to 562 of SEQ ID NO:1533, b is an integer of 15 to 576, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1533, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by
	876560	876572	876575
	H2CBX36	НЅНАХ43	HCRQI57
	1532	1533	1534

			the general formula of a-b, where a	
			is any integer between 1 to 887 of	
			SEQ ID NO:1534, b is an integer of	
			15 to 901, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1534, and where b is greater	
			than or equal to a + 14.	
1535	HCYBL73	876576	Preferably excluded from the	AI744557, AA831793, AI813443, AA480937,
			present invention are one or more	AI110686, AA305609, AA521155, AW025562,
			polynucleotides comprising a	AI640749, H96495, AA281170, AA987634, AA836072,
			nucleotide sequence described by	AA279428, AI671472, AI077333, AI538508,
			the general formula of a-b, where a	AA480878, H24707, AA554436, AA280869, AI290360,
			is any integer between 1 to 1138 of	AA968618, AW104195, AI762018, AI863656,
_			SEQ ID NO:1535, b is an integer of	AI910555, H24708, AA329735, D80195, D81026,
			15 to 1152, where both a and b	C14389, D80166, D81030, D80522, D80133, D80045,
			correspond to the positions of	D80164, D59502, D80212, D80193, D80251, D80269,
		_	nucleotide residues shown in SEQ ID	D80248, D59467, D59275, D80022, D80227, C15076,
			NO:1535, and where b is greater	D59619, D80210, D80240, D51060, D51423, D50979,
			than or equal to a + 14.	D58283, D80366, D59859, D80391, C14331, D59787,
			•	D51799, D80253, D80038, D80043, D80219,
				AA305578, D80302, AW377671, D80196, D80024,
				D80188, D51022, D50995, AA305409, AA514188,
				D59927, D57483, D59610, D80378, D59889, C06015,
				C14014, D80268, AW360811, D80241, C14429,
				AW177440, AA514186, D80439, AW178893, D80247,
				D59373, D59627, AW375405, T03269, D80157,
				AW179328, AW360834, AW366296, C75259, AW360844,
				AW360817, AW375406, D51103, AW378534, AW179332,
				AW377672, AW179023, AW178905, AW378532,
				AW178906, AW177501, AW177511, C05695, T11417,
				D51759, AW377676, AW352171, AW178762, AW352170,
				AW177731, D59653, AW178907, AW378528, AW179019,
				AW179024, D80132, AW176467, D51250, AW360841,
				AW178775, AW177505, AW367967, D80134, AW179020,
				AW178909, AW177456, D58253, AW179329, AW178980,

				AW352158, AW178914, AW177733, AW178908,
				AW178754, AW179018, AW369651, AW352117, T48593,
		•••		AW179004, D45260, AW179012, AW178774, AW378525,
				AW352163, AW352120, H67866, F13647, AI525923,
				D80064, D81111, T03116, AA809122, C03092,
				C14227, H67854, AW179011, AW179009, C14077,
_		-		AW178911, AW378543, AW177722, AI910186,
				AW177728, D80258, AI905856, D59503, AW367950,
				AW378540, D58246, D80014, D58101, D59317,
				D59551, AW178781, C13958, AI535686, C14344,
				AI557774, C14407, AI525917, D45273, C14973,
				D59474, AA514184, AI525227, AW378533, D51221,
				D60214, AW178986, AI525920, D60010, AI525925,
-				AI525215, C14957, C14046, AI525242, AW177734,
				AI525235, C14298, T03048, AI525912, AI525237,
				AW378539, D80168, AI557751, AA285331, D51066,
				D51097, C16955, T02868, U13896, U13897, U93309,
				U14950, U51639, A84916, AJ132110, AB028859,
_				A62300, A62298, AR018138, AR008278, AF058696,
				A82595, AR060385, AB002449, A94995, X67155,
				Y12724, Y17188, D26022, A25909, A67220, D89785,
				A78862, D34614, I50132, AR008443, I50126,
				I50128, I50133, D88547, I14842, AR066488,
				AR016514, X82626, AR060138, A45456, A26615,
				AR052274, I82448, AR016808, Y09669, A43192,
				A43190, AR038669, AR054175, AR066487, AR025207,
				A30438, Y17187, A63261, D50010, AR008277,
				AR008281, AR066490, AR062872, A70867, AR016691,
			-	AR016690, U46128, I18367, AR008408, I79511,
				A64136, A68321, X68127, AB012117, D13509,
_				AR060133, X72378, A85396, D88507, AR066482,
				AF123263, A44171, AR032065, A85477, I19525,
				A86792, X93549
1536 F	HHEGC16	876579	Preferably excluded from the	AI074147, AI249752, AA573289, AI991117,
_			present invention are one or more	AI744674, AW081142, AW372737, AW383987,
			polynucleotides comprising a	AI951269, AI560208, AW372734, AI309528,

			his postition operation described his	184272745 184121349 ATO97123 AT210351
			the general formula of a-b, where a	AI222028, AW073286, AI160271, AA121301,
			is any integer between 1 to 1518 of	AW170797, AW388634, H69344, AA278853, AW372735,
			SEQ ID NO:1536, b is an integer of	H47623, AA742972, AA864447, N31288, AW372730,
			15 to 1532, where both a and b	AI572193, AA173309, AW188877, H69345, AW363751,
			correspond to the positions of	AW372731, AW372736, H47925, AI476011, AW372742,
			nucleotide residues shown in SEQ ID	AA278420, AW372739, AW372744, H38254, N22901,
			NO:1536, and where b is greater	AA278794, AA769896, AW372740, AW372786,
			than or equal to a + 14.	AW372738, AL040673, AF132937
1537	H2CBG53	876580	Preferably excluded from the	AA307226, AB020236, AF045449
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 468 of	
			SEQ ID NO:1537, b is an integer of	
			15 to 482, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1537, and where b is greater	
			than or equal to a + 14.	
1538	HCYBF23	876581	Preferably excluded from the	AA919119, AI949966, AA687405, AA588150,
			present invention are one or more	AA721257, AW028336, AA305220, AI522235,
			polynucleotides comprising a	AA827201, AW298461, AI220695, AI984660,
			nucleotide sequence described by	AI219204, AI026116, M84722, M84721, D12775,
			the general formula of a-b, where a	D85596, U90888, M84720, D31636, U29910, D88988,
			is any integer between 1 to 709 of	D31634, U29907, D31637, U29911, D88989
			SEQ ID NO:1538, b is an integer of	
			15 to 723, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1538, and where b is greater	
i			than or equal to a + 14.	
1539	норсо80	876583	Preferably excluded from the	AW076027, R24903, R32458
			present invention are one or more	
			polynucleotides comprising a	

			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 923 of	
			SEQ ID NO:1539, b is an integer of	
			15 to 937, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1539, and where b is greater	
			than or equal to a + 14.	
1540	HCYBG67	876588	Preferably excluded from the	AA305259, L37080, Z47553
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 357 of	
			SEQ ID NO:1540, b is an integer of	
			15 to 371, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1540, and where b is greater	
			than or equal to a + 14.	
1541	HCYB110	876589	Preferably excluded from the	AA446378, AA305361, AA502360, AI912345,
			present invention are one or more	AA903395, AW377671, D80522, D81026, D80133,
			polynucleotides comprising a	AW177440, AW360811, AW375405, AI262837, D80248,
			nucleotide sequence described by	AW178893, T03269, C14389, AW179328, AW177501,
			the general formula of a-b, where a	AW177511, AW352117, D80251, D80269, AW366296,
			is any integer between 1 to 892 of	D80366, D58283, D59859, D80022, C14331, D80166,
			SEQ ID NO:1541, b is an integer of	D80195, D80193, D59927, D59467, D51423, D59619,
			15 to 906, where both a and b	D80210, D51799, D80391, D80164, D59275, D80240,
			correspond to the positions of	D80253, D80043, D59787, D80227, D59502,
			nucleotide residues shown in SEQ ID	AW378532, AW360844, D81030, AW360817, D80212,
	_		NO:1541, and where b is greater	AW375406, D80196, D80188, AW378534, D80219,
			than or equal to a + 14.	AW179332, AW377672, AW179023, AW178905,
				AA305578, C15076, D80038, D59610, D57483,
				AA305409, C14429, D51022, D50979, D50995,
				D59889, AW178762, D80024, D80045, AI905856,

	-	ľ		DE1060 AW176467 DR0378 AW357171 AW377676
				AW352170, AW177731, AW178907, AW178775,
				AW179019, AW179024, AA514188, C14014, D80241,
				AW178906, AW352158, AW177505, AW179020,
				AW178909, AW177456, AA514186, AW179329,
				AW178980, AW177733, AW378528, AW178908,
		_		AW178754, AW179018, D80132, AW178983, AW179004,
				D80268, C75259, AW360834, D80302, AW178914,
				AW178911, AW367967, D80134, D80439, C05695,
	_			AW178774, D80247, C06015, T48593, D51097,
				D51103, D58253, AW177723, AW352174, D80157,
				AW367950, AW378533, AW178986, D45260, D80314,
				AIS35850, AIS25913, AI525923, AF078165,
				AF205888, AF205889, A98521, X82626, A78862,
				A84916, A67220, D89785, A62300, A62298, Y17188,
				D34614, D26022, D88547, AJ132110, AR018138,
				X67155, AF058696, A25909, Y12724, AR008278,
				AB028859, AR025207, A94995, AR008443, I50126,
				IS0132, IS0128, IS0133, AR066488, A82595,
				AB012117, AR016514, D50010, AR060138, A45456,
				I18367, A26615, AR052274, Y09669, AR060385,
		_		AB002449, AR066487, AR038669, A43192, A43190,
				A30438, A85396, D88507, AR066482, A44171,
				AR066490, A85477, I19525, A86792, D13509,
				AR008408, X93549, Y17187, AR060133, A63261,
				~
				U46128, AR008382
1542 H2CBE0	_	876591	Preferably excluded from the	AA307067, AA827296, AA307068, AA972507,
			present invention are one or more	AA074169, AL134865, AA096156, AA247393,
			polynucleotides comprising a	AA091519, I81218, U30872, U19769, I35495,
	_		nucleotide sequence described by	AF194970
_			the general formula of a-b, where a	
			is any integer between 1 to 965 of	
			SEQ ID NO:1542, b is an integer of	
			15 to 979, where both a and b	
			correspond to the positions of	

			nucleotide residues shown in SEO ID		
			NO.1542 and where h is greater		
			than or equal to a + 14.		
1543	HCYB192	876592	Preferably excluded from the	R24666, AA305450, M63635, M64590, D90239	D90239
			present invention are one or more		
			polynucleotides comprising a		
_			nucleotide sequence described by		
			the general formula of a-b, where a		
			is any integer between 1 to 287 of		
			SEQ ID NO:1543, b is an integer of		
			15 to 301, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1543, and where b is greater		
			than or equal to a + 14.		
1544	HWMCC2	876595	Preferably excluded from the	AI690065, AI480300, AA927896, AI288678,	88678,
	∞		present invention are one or more	AI343570, AI343569, AI678924, AW339479,	39479,
			polynucleotides comprising a	AA836387, AA836420, AC006011	
			nucleotide sequence described by		_
			the general formula of a-b, where a		
			is any integer between 1 to 638 of		
			SEO ID NO:1544. b is an integer of		
			15 to 652, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1544, and where b is greater		
			than or equal to a + 14.		
1545	HWMAN6	876596	Preferably excluded from the	AA583339, AI587061, AW192901, AA307800,	07800,
	-		present invention are one or more	AA315469, AA568218, AI150400, AA583146,	83146,
			polynucleotides comprising a	AW374998, AI955582, AW374874, AI832775,	32775,
			nucleotide sequence described by	AA345780, AA295520, AW360893, AA294858	94858,
			the general formula of a-b, where a	AI445680, AW360892, AW360931, AA295782	95782,
			is any integer between 1 to 2222 of	AF102542, AF038650, R32988, H99036, N39174,	6, N39174,
			SEQ ID NO:1545, b is an integer of	N45249, N62843, W60278, W79341, W79441, W93292,	79441, W93292,
			15 to 2236, where both a and b	W93293, W92077, W92073, AA083227, AA102315,	AA102315,
			correspond to the positions of	AA111889, AA121668, AA121740, AA505444,	05444,

			nucleotide residues shown in SEQ ID	AA528215,	AA574144,	AA528215, AA574144, AA738177, AA934667,	١.	C20604,
			than or equal to a + 14.	AI359257,	AI360138,	A1359257, A1360138, A1383772, A1422649,	AI422649,	
			•	AI582783, AI127637,	AI127637,	AI582783, AI127637, AI129439, AI203460, AI203460, AI208460, AI510103	AI130855,	
1546	HCQCR04	876597	Preferably excluded from the	W79201, AC006001	009001		-	
			present invention are one or more					
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
		-	is any integer between 1 to 342 of					
			SEQ ID NO:1546, b is an integer of					
		_	15 to 356, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
		-	NO:1546, and where b is greater					
			than or equal to a + 14.					
1547	HWMFE48	876600	Preferably excluded from the	AA813252,	AI911238,	AA813252, AI911238, AI186148,	AI743777,	
			present invention are one or more	AA868390,	AI004989,	AA868390, AI004989, AI808771,	AA838553,	
			polynucleotides comprising a	AA654365,	AI911106,	AA654365, AI911106, AI092279,	AA769822,	
			nucleotide sequence described by	AA523966,	AI955005,	AA523966, AI955005, AI034008,	AW085738,	
			the general formula of a-b, where a	AI302130,	AI285082,	AI302130, AI285082, AA158037, AI991179,	AI991179,	
			is any integer between 1 to 1158 of	AI954918,	AI167941,	AI954918, AI167941, AI738706, AA524173,	AA524173,	
			SEQ ID NO:1547, b is an integer of	AA887784,	AA552303,	AA552303, AI424977, AI024177	AI024177,	
			15 to 1172, where both a and b	AI051807,	W56741, A	I720296, A	W56741, AI720296, AI672956, R99385,	99385,
			correspond to the positions of	AAS94882,		A315098, A	W85752, AA315098, AW382098, N90665,	90665,
			nucleotide residues shown in SEQ ID	AA778392,	D31212, T	65680, AA4	AA778392, D31212, T65680, AA465630, AA158328,	58328,
			NO:1547, and where b is greater	AA641295,	AA928364,	AA812254,	AA641295, AA928364, AA812254, AI351201, W20284,	W20284,
			than or equal to a + 14.	AW382084,	AI383689,	AW382084, AI383689, AA215354, AI873941,	AI873941,	
				AW382340,	AA639464,	AW382339,	AW382340, AA639464, AW382339, AW351859, U17077,	U17077,
				U17079, U17080	17080			
1548	HMTBN44	876601	Preferably excluded from the	AI446030,	D62937, A	A344217, A	AI446030, D62937, AA344217, AI950787, D62979,	52979,
			present invention are one or more	D79906, A	D79906, AW151367, AW151360	W151360		
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					

			is any integer between 1 to 1409 of SEQ ID NO:1548, b is an integer of 15 to 1422, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1548, and where b is greater	
			than or equal to a + 14.	
1549	HCROI04	876602	Preferably excluded from the	M63806, AF035406, M96066, S68616
			present invention are one or more	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 443 of	
			SEQ ID NO:1549, b is an integer of	
			15 to 457, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1549, and where b is greater	
			than or equal to a + 14.	
1550	HTWCT64	876608	Preferably excluded from the	AW118825, AIS82268, AI924840, AI686918,
			present invention are one or more	AI689468, AI565967, AI471821, AW167093,
			polynucleotides comprising a	AW438815, AI560103, AW192267, AI351758,
			nucleotide sequence described by	AI204255, AA948069, AA775662, AI160736,
			the general formula of a-b, where a	AA975121, AI347454, AW381442, AI086345,
			is any integer between 1 to 963 of	AI805695, AA441899, AW132052, AA233648,
			SEQ ID NO:1550, b is an integer of	
			15 to 977, where both a and b	AI061108, AW028857, N90723, AI275105, AI290106,
			correspond to the positions of	AW130518, N33172, AA031928, AA476308, AI682854,
			nucleotide residues shown in SEQ ID	AI358603, AI332311, AW381443, AI696369,
			NO:1550, and where b is greater	AW381398, AI472619, AI383588, AA404636,
			than or equal to a + 14.	AA180763, AA233637, AW381420, AA032029,
	_			AIS59765, N90350, N44956, W06927, AA182891,
				C05190, AA883620, AI696426, AA618268, D90034,
				E01793, E01792, E01791, D28915, D28914, D28912
1551	HETB179	876609	Preferably excluded from the	AI346674, AI348020, AI890197, AW291166,
			present invention are one or more	AA167382, AA700159, AI347083, AI056234,

			polynucieocides comprising a	AA555/92,	AA535792, N76634, AA815232, A1343929, AA490536,
			nucleotide sequence described by	AI696964,	AI696964, AI392769, AI346881, AI613246,
			the general formula of a-b, where a	AAB09480,	AA809480, AI318395, AI761658, AI140011,
			is any integer between 1 to 2526 of	AW190983,	AW190983, AW070699, AA488989, AW291783,
			SEQ ID NO:1551, b is an integer of	AI285896,	AI285896, AA627444, R84232, AI674736, AI280867,
			15 to 2540, where both a and b	H72489, AA	H72489, AA488770, AA813879, AI685538, AI858181,
			correspond to the positions of	AW006758,	AW006758, AA167381, N54554, N71216, AA971023,
			nucleotide residues shown in SEQ ID	AA704201,	AA704201, AI612846, AW294335, N22015, R10105,
			NO:1551, and where b is greater	AA744665,	AA744665, AI680111, AI361708, AA313609, N75553,
			than or equal to a + 14.	AA337910,	AA337910, H72889, AI689838, R87634, AI867541,
				AW015119,	AW015119, R38671, R00317, AA548940, AI886417,
				T98789, WO	T98789, W05347, AA337673, T98788, F10720,
				A1910396,	AI910396, AW374767, AC004687
1552	HWTBM65	876610	Preferably excluded from the	AW137982,	AW137982, AI686316, AW137243, AW193522,
			present invention are one or more	AW373055,	AW373055, D79340, AI796896, AC004079
			polynucleotides comprising a		
			nucleotide sequence described by		
			the general formula of a-b, where a		
			is any integer between 1 to 594 of		
			SEO ID NO:1552, b is an integer of		
			15 to 608, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
_			NO:1552, and where b is greater		
		_	than or equal to a + 14.		
1553	HCQBN77	876612	Preferably excluded from the	AA908796,	AA908796, AA431249, AI743453, AI433466,
			present invention are one or more	AI613002,	AI613002, AW302156, AA758918, AA595771,
			polynucleotides comprising a	AA432263,	AA432263, AA887241, AI459626, AA931083,
			nucleotide sequence described by	AIS22039,	AIS22039, AA707461, AI612992, AA834959, R50375,
			the general formula of a-b, where a	AI004115, AI203186,	AI203186, R48003, R48117, L47334,
	-		is any integer between 1 to 770 of	AC005324, AA976609	AA976609
			SEQ ID NO:1553, b is an integer of		
			15 to 784, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1553, and where b is greater		

			than or equal to a + 14.		
1554	нКАЕD74	876621	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1917 of SEQ ID NO:1554, b is an integer of 15 to 1931, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1554, and where b is greater than or equal to a + 14.	AIT96510, AA478680, AI972505, AA418501, AA1917358, AI223250, AA210747, AI652196, AIS917358, AI652196, AIS917358, AI652196, AI652380, AI663196, AI663196, AIG68375, AI6224156, AA4484697, AA66890, AA315808, AI168714, AI374751, AA69242, AA814749, AI368714, AI347251, AA171797, A174538, AW450160, AA45861, AI831973, W95561, AI189412, AA688156, AI867A170, AI99241, T75325, AI009175, AA43765, AA406142, F12295, F13001, T19179, F10596, AA424821, T90046, T19289, T75402, AA776218, F10590, AI868932, AA211708, AI535, AA171681, AI793143, R39216, AR908668	AI796510, AA478680, AI972505, AA418501, AA1817358, AI223250, AAA10747, AI5652196, AI652382, AA4418404, AI683375, AI562196, AA4184040, AI683375, AI562196, AA446957, AA4689242, AA315808, AI168734, AI374751, AA171797, AI745538, AM450160, AA485861, AI831534, AI206300, AA428536, M95434, AA831973, W95551, AI89412, AA688156, AI867333, AA43765, AA406142, F12295, F13001, T19179, F10596, AA424821, T90046, T19289, T75402, AA776218, F10590, AI868932, AA211708, AI539664, T90147, AA357325, AA428537, AA2311708, AI539664, AA776218, AI793116, AI793143, R39216, AF048686, AA0006068
1555	нсолто	876622		D81622, D60051, H57196, AI125536	, AI125536
1556	HCRMD40	876630	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 312 of SEQ ID NO:1556, b is an integer of 15 to 346, where both a and b	AL044257, W40773, AW250560, AA643353, A AA402668, AW249124, AL554578, AW328561, AW166193, AA703840, AL143755, AL951872, AW080812, AL189652, AL885695, AW166148, AW082817, AL955814, AA602780, AL951334, AM191618, AW248692, W45258, AA503865, A AA916922, AL089026, AA599791, AA032143,	AL044257, W40373, AW250560, AA643353, AI991172, AA402608, AW249124, AIS544518, AW328561, AM4246456, AW024130, AA308337, AI346750, AW051430, A1143755, AI951822, AW080812, AI189562, AI885695, AW166148, AW082817, AI951814, AA60780, AI951334, AM191618, AW248692, W45258, AA503856, AI378866, AA191618, AW248692, W45258, AA503856, AI378866, AA599522, AI089026, AA599591, AA032143, H48844,

			correspond to the positions of nucleotide residues shown in SEQ ID	AA402390, AI192449, AA826583, AW070627, N39330, AF004876
			NO:1556, and where b is greater than or equal to a + 14.	
1557	HFIHO78	876631	Preferably excluded from the	AW150197, AA846471, AI146351, AI276560, H96798,
			present invention are one or more	AW016664, AA253395, W07219, H97716, M63896,
			polynucleotides comprising a	L13853, S74227, L06865
			nucleotide sequence described by	
			the general formula of a-b, where a	
	_		is any integer between 1 to 1563 of	
			SEQ ID NO:1557, b is an integer of	
			15 to 1577, where both a and b	
			correspond to the positions of	
		-	nucleotide residues shown in SEQ ID	
			NO:1557, and where b is greater	
			than or equal to a + 14.	
1558	HCRPG35	876633	Preferably excluded from the	AC004030
	_		present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a.b. where a	
_		_	is any integer between 1 to 264 or	
			SEQ ID NO:1558, b is an integer of	
_			15 to 278, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1558, and where b is greater	
			than or equal to a + 14.	
1559	HSQFQ92	876637	Preferably excluded from the	AI750171, AI692181, AI275606, AI453065,
			present invention are one or more	AI521837, AI634107, AW130839, AI654841,
			polynucleotides comprising a	AA424967, AA059190, AA047896, AA148675,
			nucleotide sequence described by	AW085538, AA026771, AI261336, AI696507,
			the general formula of a-b, where a	AA992863, N66291, R85666
			is any integer between 1 to 737 of	
_			SEQ ID NO:1559, b is an integer of	
			15 to 751, where both a and b	

			correspond to the positions of				
			MO-1459 and where his greater				
			than or equal to a + 14.				
1560	HUFBF32	876638	Preferably excluded from the	AL134555,	AL134555, AI925308, AI625207, AI969783,	AI625207,	AI969783,
			present invention are one or more	AW262828,	AW262828, AW263812, AI685887, AA206222,	AI685887,	AA206222,
			polynucleotides comprising a	AI086025,	AI086025, AI284055, AA143639, AI268485,	AA143639,	AI268485,
			nucleotide sequence described by	AI312871,	AI312871, AL134554, AA969162, AI282923,	AA969162,	AI282923,
			the general formula of a-b, where a	AA074267,	AA206652,	N33991, N2	AA074267, AA206652, N33991, N22039, T09372,
			is any integer between 1 to 1924 of	AI760417,	AI760417, AA146631, AW083343, AI479411,	AW083343,	AI479411,
			SEQ ID NO:1560, b is an integer of	AA742178,	AW054790, AI586977, AI948545,	AIS86977,	AI948545,
			15 to 1938, where both a and b	AI991591,	T5,9451, AI	565918, AI	T59451, AIS65918, AIS72624, AA627495,
_			correspond to the positions of	AA236672,	AA236672, AI798559, AW291470, AA292449,	AW291470,	AA292449,
			nucleotide residues shown in SEQ ID	AA593202,	T58112, AI	815717, AI	AA593202, T58112, AI815717, AI698280, AI432649
			NO:1560, and where b is greater				
			than or equal to a + 14.				
1561	HTXC005	876643	Preferably excluded from the	AW411282,	R08081, AA	307047, T9	AW411282, R08081, AA307047, T98713, AW351792,
			present invention are one or more	AA325934,	AA325934, AW375839, AI694682, AI968390,	AI694682,	AI968390,
_			polynucleotides comprising a	AW370749,	AW370749, AW370756, U43431	U43431	
			nucleotide sequence described by	•			
			the general formula of a-b, where a				
			is any integer between 1 to 875 of				
			SEQ ID NO:1561, b is an integer of				
			15 to 889, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1561, and where b is greater				
			than or equal to a + 14.				
1562	HWMB109	876645	Preferably excluded from the	AW337919,	AW337919, AA523430, AL044577, AW194215,	AL044577,	AW194215,
			present invention are one or more	AI686556,	AI686556, AI671043, AA652193, AI815222,	AA652193,	AI815222,
			polynucleotides comprising a	AI694846,	AI694846, AA480192, AI289064,	AI289064,	AI910616,
			nucleotide sequence described by	AI923986,	AI923986, AI557645,	AI799943,	AI077441,
			the general formula of a-b, where a	AW007863,	AW007863, AA481900,	AI123788,	AW024224,
			is any integer between 1 to 1371 of	AI355044,	AI355044, AW130857,	AW054917,	AA552445,
			SEQ ID NO:1562, b is an integer of	AA923164,	AA923164, AA300093,	AI686879,	AI240984,
			15 to 1385, where both a and b	AI625429,	AI625429, AI446337, AI557649, AI557647,	AI557649,	AIS57647,

			correspond to the positions of	AA524488, AI557652, AI557651, AI557653,
			nucleotide residues shown in SEQ ID	AA579950, AW338240, AI557650, AA480098,
			NO:1562, and where b is greater	AI557656, AI557654, AI557655, AI557648,
			than or equal to a + 14.	AA994813, AL044578, AI383197, AA910275, R05862,
				AA887744, R05776, AI940377, AA594829, AA858443,
				AI557657, AW337931, AW057864, AI720420,
				AI557646, AW363060, X87342
1563	HSIDP84	876646	Preferably excluded from the	W61002, AW316845, AI674913, AI678011, AW190676,
			present invention are one or more	AI623768, AI934315, AI692242, AI023791,
			polynucleotides comprising a	AI935868, AI934327, AI818628, AI589269,
			nucleotide sequence described by	AI520775, C05899, AI598121, H58247, AW007303,
			the general formula of a-b, where a	AI703259, H70829, AI598076, H61582, H70828,
			is any integer between 1 to 848 of	AI932542, AI582914, AI587377, AI565896,
			SEQ ID NO:1563, b is an integer of	AI445979, H94487, H79481, AI888892, H61583,
			15 to 862, where both a and b	M84424, J05036
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1563, and where b is greater	
			than or equal to a + 14.	
1564	HUSJA29	876647	Preferably excluded from the	AW173342, AA478670, AI968093, AI379615,
			present invention are one or more	AI634726, AW338720, AW104590, AI683681,
			polynucleotides comprising a	AW169497, AI421606, AA694059, AI970918,
			nucleotide sequence described by	AI432425, AA258286, AA234386, W49607, AI417965,
			the general formula of a-b, where a	AI359750, AI672733, AI094753, AI359735,
			is any integer between 1 to 3093 of	AI421216, AI421807, AI492071, AW169163,
			SEQ ID NO:1564, b is an integer of	AA406244, N50451, AI400745, AW051859, AI770144,
			15 to 3107, where both a and b	AI418973, N94584, N22975, AW009450, AI423399,
			correspond to the positions of	AI522259, AW150839, AI358559, AI688047,
			nucleotide residues shown in SEQ ID	AA970514, AI768455, AA305807, AW243536,
			NO:1564, and where b is greater	AI399686, W49640, AI280345, AA703127, AI632111,
			than or equal to a + 14.	T63353, AI865130, AI474045, H47786, AI274468,
				AI341413, AW016684, AI399864, AA694012,
				AI097106, AL040613, AW182238, AA431110, R14723,
				R06613, AA972500, AW342058, AA887754, AW086061,
				AI026763, W23791, AI205812, AA232656, R67689,
				AA972808, Z45677, R36481, AA479212, AI567031,

R62535, R84588, N50507, AA969851, T97034, AA649044, AA315207, AA649043, AI471105, AI086675, R36482, AA613263, AI051650, Z41345, R42442, AI074320, R66689, AA812544, R06604, T96927, R06660, N32390, AI868697, R06669, AA432124, N79367, T63677, Z20112, AA883725, AIZ20180, AC004711, AB020684, AJ011911, AC005271, A74567, AA770028	AF061056, AF084644, AF084645, AJ009936, AF188476, AF182217, AJ009937	U17105, Z36714, U20612, Z47766, U20636	AF039023, AC006432
	Preferably excluded from the present invention are one or more polynuclectides comprising a nuclectide sequence described by the general formula of a-b, where a is any integer between 1 to 286 of SEQ ID No.1565, b is an integer of 15 to 300, where both a and b correspond to the positions of nuclectide residues shown in SEQ ID No.1565, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 523 of SEQ ID NO:1566, b is an integer of 15 to 537, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1566, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by
	876648	876649	876652
	HCQAG09	HCROT53	HOENX50
	1565	1566	1567

_			the general formula of a-h where a	
			is any integer between 1 to 319 of	
			SEQ ID NO:1567, b is an integer of	
		-	15 to 333, where both a and b	
	_		correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1567, and where b is greater	•
			than or equal to a + 14.	
1 8951	HCEOW20	876656	Preferably excluded from the	AA985339, AA325781, AA041430, AC005531
			present invention are one or more	
			polynucleotides comprising a	
		_	nucleotide sequence described by	
		_	the general formula of a-b, where a	
		_	is any integer between 1 to 635 of	
			SEQ ID NO:1568, b is an integer of	
_			15 to 649, where both a and b	
		_	correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1568, and where b is greater	
			than or equal to a + 14.	
1569	HCRMG16	876657	Preferably excluded from the	75757
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 379 of	
			SEQ ID NO:1569, b is an integer of	
			15 to 393, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1569, and where b is greater	
			than or equal to a + 14.	
1570	HCEPH79	876660	Preferably excluded from the	AA326212
	•		present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	

the general formula of a-b, whe is any integer between 1 to 552 SEQ ID NO:1570, b is an integer beto 554 where both a and b correspond to the positions of nucleotide residues shown in SE NO:1570, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or mo polynucleotides comprising a nucleotide sequence described b the general formula of a-b, whe is any integer between 1 to 164 SEQ ID NO:1571, b is an integer sequence both a molectide residues shown in SE NO:1571, and where both a of nucleotide residues shown in SE NO:1571, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or mo polynucleotides comprising a nucleotide sequence described b the general formula of a-b, whe is any integer between 1 to 177 SEQ ID NO:1572, b is an integer 15 to 1186, where both a and b correspond to the positions of nucleotide residues shown in SE NO:1572, and where b is greater	he general s any integrated by the general s any integrated by the second control of the			the general formula of a-b, where a is any integer between 1 to 552 of SEQ ID NO:1570, b is an integer of 15 to 566, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1570, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more AA723578, AL121358, AI221227, AI093392, polynucleotides comprising a AI138553, AW019870, AI803661, AA826404, AI138562, AW019870, AI808361, AA826404, AI004869, NG77135, AI188839, AI474328, N64380, the general formula of a-b, where a T71617, AI630399, AL120719, AA127002, AW386045, SEQ ID NO:1571, b is an integer of H41757, H41758, AL046756, H40420, H50495, IS to 1657, where both a and b H20721, H4069, AA12529, AA731653, AM366585, AU016016de residues shown in SEQ ID NO:1571, and where b is greater AA127021, H71690, AA069453, AA125758, AI312614, AA0106965, AF000430, AF011777, AF012043, AF1120731, AF0120212, AF0120211, AF0120213, AF112033	Preferably excluded from the present invention are one or more polynucleotides comprising a polynucleotide sequence described by mucleotide sequence described by the general formula of a-b, where a hypotherest formula of a-b, where any integer between 1 to 1172 of AU39362, AA323953, AA
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AA094260, AIT51632 AA094260, AIT51632 AA084260, AIE689297, AL037493, AW169116, AA648307, AA062916, AW292736, A1198589, AA04202957, AIZ77799, AA767327, AI191067, AA032043, AA631429, AI004727, AI299652, AA0181991, AA991666, AA991222, NS2079, AA496026, AR000697, AIS91889, AW342034, AI972961, AA948363, AA258118, AI971556, N89925, AA041553, H49505, AI017756, AA9136918, AI472651, AA44836, AI262706, AA436938, AA47698, AA18836, AIZ67706, AA436938, AA87698, AA187708, AA081668, H94003, H49504, H73988, AA187708, AA28114, H95020, AA082449, F11149, F05110, NS3670, X77743, X77303, X79193, L20320, Y13120, U11822, X74445, X83579, X77239, X65070	AA193161, T10237, H11797, D44986, R25550, T77684, R91095, H15636, Z42961, R17883, AA371122, AL035427, AF035288, AC007262
present inventor are one of more present the general formula of a-b, where a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 711 of SEQ ID NO:1573, be is an integer of 15 to 725, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1573, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more present invention are one or more present invention are one or more phenoleotide sequence described by the general formula of a-b, where a A nucleotide sequence described by the general formula of a-b, where a A sex ID NO:1574, b is an integer of A SEQ ID NO:1574, b is an integer of H is to 1135, where both a and b correspond to the positions of mucleotide residues shown in SEQ ID NO:1574, and where b is greater A than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 845 of SEQ ID NO:1575, b is an integer of 15 to 859, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID
876677	876680
ННЕБО14	НКІМС75
1574	1575

			MOTION IN A CONTRACT OF THE PROPERTY OF THE PR	
			than or equal to a + 14.	
1576	HWMB136	876683	Preferably excluded from the	AI435038, AI912169, AI701595, AI628945,
			present invention are one or more	AI819240, AI361891, AI057030, AI808292,
			polynucleotides comprising a	AI478205, AA933801, AA633552, AI830350,
			nucleotide sequence described by	AA513475, AI093856, AI566604, AI559922,
			the general formula of a-b, where a	AI000612, AA587035, AI222881, T27670, AI308944,
			is any integer between 1 to 718 of	AI308779, AA948404, AI346156, AA857101,
			SEQ ID NO:1576, b is an integer of	AI539010, AI871676, AI628889, AI344797,
			15 to 732, where both a and b	AA865820, AI658897, AI475182, AW082952,
			correspond to the positions of	AW102783, AI346307, AI972243, AL045929,
			nucleotide residues shown in SEQ ID	AI682106, AI344182, AI590482, AI345860,
			NO:1576, and where b is greater	AIS69870, M16937, S49765
			than or equal to a + 14.	
1577	HE8TM64	876685	Preferably excluded from the	AI751497, W25812, AA307338, AA305326, AI367808,
			present invention are one or more	AA332338, AA545813, AA047778, AI251787,
			polynucleotides comprising a	AL045193, D30819, AA319757, AW293922, X68199,
			nucleotide sequence described by	X69987, L00923, AJ001381, AJ001382
			the general formula of a-b, where a	
			is any integer between 1 to 1622 of	
			SEO ID NO:1577, b is an integer of	
			15 to 1636, where both a and h	
			Correspond to the north tions of	
		_	correspond to the positions of	
			nucleotide residues shown in SEO ID	
			NO:1577, and where b is greater	
			than or equal to a + 14.	
1578	HKLSA57	876687	Preferably excluded from the	
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
_			is any integer between 1 to 645 of	
			SEQ ID NO:1578, b is an integer of	
			15 to 659, where both a and b	
		_	correspond to the positions of	
			nucleotide residues shown in SEQ ID	

			NO:1578, and where b is greater	
			than or equal to a + 14.	
1579	HOGCV45	876689	Preferably excluded from the	AA971761, AA316125, AA779730, AI342295, D82512,
			present invention are one or more.	D82209, D82400, AI928195, R59543, R51409,
			polynucleotides comprising a	Z43988, F11900, T65476, AA081963, AA304478,
			nucleotide sequence described by	T65486, D82182, AA188083, X84373, AR031997
			the general formula of a-b, where a	•
			is any integer between 1 to 1852 of	
			SEQ ID NO:1579, b is an integer of	
			15 to 1866, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1579, and where b is greater	
			than or equal to a + 14.	
1580	HADCX04	876690		AI824012, AA768896, AI400750, AW291960,
			present invention are one or more	AA449520, AI446344, AI911295, AA482984,
			polynucleotides comprising a	AA677454, C75000, AA211913, AA449089, AL039130,
			nucleotide sequence described by	AI086104, AA809866, AA814760, AA206769, R51297,
	_		the general formula of a-b, where a	Z40045, R59544, T65401, AW440101, AW197032
			is any integer between 1 to 1482 of	AA280932, T65412, D81782, R59543, A1916155,
_			SEO ID NO:1580. b is an integer of	F09547. A0717478. AB304478. 75037
			15 to 1496 where both a and h	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
			correspond to the positions of	T65476 X84373 AP053062
			nucleotide residues shown in SEO ID	
			NO:1580, and where b is greater	
			than or equal to a + 14.	
1881	HCRPH70	876693	Preferably excluded from the	AI452523, AI478635, AI744981, AI560901,
			present invention are one or more	AI565588, AI798581, AI814640, AA653662,
			polynucleotides comprising a	AA421151, AI660891, AW444552, AL039553,
			nucleotide sequence described by	AI745043, AI570244, AI333562, AA205872,
			the general formula of a-b, where a	AI719554, AI149680, AW439417, AI921227,
			is any integer between 1 to 3884 of	AA694055, AI601268, AA316992, AI393735,
			SEQ ID NO:1581, b is an integer of	AW190924, AA838650, AI269927, AI095118,
			15 to 3898, where both a and b	
			correspond to the positions of	AA969146, AA577235, AL039554, AI049679,
			nucleotide residues shown in SEQ ID	AA936325, AI242821, AA814514, AL121252,

	_		NO.1581 and where h is greater	AW376485 AW121188 AW192413 AT.121316
			100000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	CONTRACTOR AND CONTRA
			than or equal to a + 14.	AMOLES'S, AALOLUGB, ALOSSS'E, AMISLISE,
				AA573629, AA102113, AA961055, AW374678,
				AA194838, AW178971, AA344374, AW374624,
				AI183708, AA740187, AI537228, AA226093, R68854,
				H10750, AI802500, AA225947, AA397942, H13519,
			,	AW361330, AI208657, H25331, AA814957, AA618264,
				AA344846, AW380100, N75624, AA372640, F05661,
				AA206235, AL046083, T54750, AI701306, AA586552,
				AI857281, AI202213, H11029, H07142, AA206013,
				AI141812, AA352818, AI307792, R68760, AW374474,
				F08374, AA344845, N22383, AA353560, AI869073,
				AI762329, F01918, AA373973, T54663, N88370,
				AA092897, AA206054, AI040829, AA356450, R43483,
				AW374484, H06635, AW389283, AI749924, F04601,
				T19805, AA082735, AW273597, AW374506, AI557427,
				AA857322, AI721273, AI423660, AA302091,
				AA181082, R17993, AW360799, H13417, AA977862,
				H13460, H13520, AW360925, AI206966, AI206949,
				AI655406, I32959, X53586, X59512, I32960,
				X69902, X56559, AF166341, S66213, S66196,
				I32962, I32961, S52135, AF166343, AF166342
1582	HCRQM22	876696	Preferably excluded from the	AW403014, AI904490, AI831848, AA115313,
			present invention are one or more	AI761315, L16783, U74613, U83113, AR030545,
			polynucleotides comprising a	A79030, U74612, AC005841
			nucleotide sequence described by	
			the general formula of a-b, where a	
		-	is any integer between 1 to 433 of	
			SEQ ID NO:1582, b is an integer of	
			15 to 447, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1582, and where b is greater	
_			than or equal to a + 14.	
1583	HKAEBIS	876697	Preferably excluded from the	AL036025, AW170264, AI752535, AI005255,
			present invention are one or more	AI983435, AW246157, AA830412, AA100899,

	polynucleotides comprising a	AW029286. AW249623. AI817149. AI188189.
	nucleotide sequence described by	AI080559, AI351548, AI800612, AA053203,
	the general formula of a-b, where a	AI472277, AA514834, AI805161, AW190531,
_	is any integer between 1 to 1260 of	AI674923, AI126935, AI692174, AW338703,
	SEQ ID NO:1583, b is an integer of	AI298396, AA100900, AI371893, AA614754,
	15 to 1274, where both a and b	AI280045, AA775722, AA748994, AW340009,
	correspond to the positions of	AW021825, AW079812, AA687655, AA157990,
	nucleotide residues shown in SEQ ID	AI335523, H28772, AA053118, AA179129, R98683,
	NO:1583, and where b is greater	F37299, AA490300, AA128782, AI222643, AI971507,
	than or equal to a + 14.	AA158221, W22913, AI808088, AI241313, AA128683,
		W75952, AA490392, AA937369, W70210, F27137,
		AI420918, R98910, AA878476, AA835695, D61351,
		T47481, AI698637, AA568407, AI114611, AA918093,
_		AI873390, AA191377, AA352963, AA845387,
		AA206840, AI886265, T99184, AA179130, AA375818,
		AA190767, H19574, H92872, AA317262, H46433,
		AL110366, AA852372, AA318585, AA024678, F15781,
		H19492, AI356724, F29453, T82979, AA024463,
		H28745, AI864085, AA732079, AI701200, F31250,
		T47480, AA380664, D61207, AA206841, AA527568,
-		AW087408, T99183, AI345010, AW152550, AI890507,
_		AI815237, AI078510, AA715307, AA809974,
		AIS20946, AA761557, AI445992, AI659795,
		AA641818, AW075608, AA857847, AW327325,
		AI860674, AA748353, AW090087, AI567971,
		AI433976, AL045413, AI860783, AI963172,
		AL038529, AW088037, AL038645, AW075084,
_		
		AW161579, AI567582, AI289791, AI471429,
		AL120700, AW151136, AA659314, AI539771,
		AI494201, AI500659, AA425228, AI866465,
		AI540674, AI815232, AI801325, AL036652,
		AI500523, AI537617, AI538850, AI887775,
		AI270350, AI582932, AL043168, AI923989,

	4	AI872423, AI284517, AI500706, AI890576,
	<u> </u>	AI445237, AI491776, AW151138, AI521560,
	4	AI889189, AI623799, AI500662, AI539800,
	<u>a</u>	AW172723, AI582912, AI284509, AI889168,
	4	AI440263, AI927233, AI866573, AI633493,
	<u> </u>	AI252414,
	N N	AI805769, AI434242, AI888661, AI312364,
	N N	AI500714, AI284513, AI345180, AI888118,
-	<u> </u>	AI285439, AI859991, AI436429, AL079799,
	4	AI355779, AI889147, AI623736, AI581033,
	A .	AI371228, AI334884, AI491710, AI440252,
	4	AI431307, AW269098, AL047422, AW268251,
	4	AI114703, AI866786, AI860003, AI610557,
	A	AI431316, AI433037, AI242736, AA808175,
	<u> </u>	AI887499, AW151979, AI539781, AI364788,
	4	AI867068, AW268768, AI702065, AI539707,
	A	AI885949, AW089557, AI559957, AI285419,
_	M .	AI500061, AI521571, R65859, AI469775, AI866581,
	4	AW079432, AW089562, AIS67953, AI815150,
	4	AI446495, AW131331, AW193530, AA845354,
	A	AI445620, AI671642, AI816055, AC004922, U26541,
	н	I19368, I19367, U65960, U72620, E08631,
	4	AL137480, Y10080, AL080124, S63521, AL110221,
	Н	I48978, AF132676, AF061836, AJ242859, Z72491,
-	<u>n</u>	U92992, I89947, AF153205, AJ012582, L19437,
	A.	A08907, AL122049, A08913, E02914, AF151109,
	2	Z82022, A08912, S77771, AL122093, A03736,
	4	AL137479, A08910, A08909, A08908, S76508,
		AL137271, AF017152, AL133049, AL110280,
	A .	AB019565, A18777, A77033, A77035, X70685,
	×	X52128, AL050149, AF061573, AL133072, S68736,
	4	A18788, X93495, AF067790, I89931, AF215669,
	<u> </u>	A76337, D89079, A08911, AR038854, I41145,
	<u> </u>	I49625, AF113694, S83456, A07588, AL117587,
	a,	AL049382, AF126488, AL023657, AL137533, X99717,
	A	AF102578, AL133619, X65873, E03671, AF079763,

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	S78214, AL137539, AL122110, AF100931, AL137526
	A65340, X79812, AL133080, AL133081, AF192557,
	AL133075, U72621, AL080163, AL122121, A08916,
	AF078844, AL137429, AF175903, AF065135,
	AJ238278, U87620, AL133014, AJ005690, AF182215.
	AF115410, X72889, AF113677, I48979, U66274,
	E06743, U78525, AF115392, AL080126, AL137550,
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	AF090903, AL050155, AL137665, AF169154, Y10655
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	Y09972, AL117583, M86826, AB007812, M27260,
	AF061795, AF151685, AL110222, AL133054, X63410,
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	AF017790, AL080158, E01314, AF090900, AF125948,
	AL096744, AL050393, AF106862, AF081195, E07361,
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	AF109155, M96857, A58545, U57352, AL050108,
	AF004162, AL137488, AC004200, E01614, E13364,
_	Z97214, AL133112, U88966, AL117648, AF162270,
	AR068751, AL137627, AF207750, A57389, AF118064
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_	. AL133640, AL117626, AF143957, U95114, AL137459
	AL137711, AL050116, AL137558, A08915, AL1102255
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-	A15345, AF106945, AF091084, X82434, X66862,
	AR009628, AF118092, AF120268, AF094480,
	AL137471, AL049452, AF044323, AJ010277,
	AF090901, AF137367, U35846, AC003032, AL137300,
	AF002985, I80064, AF114818, AL049464, L13297,
	Y16645, AL049300, A86558, AB029065, AF097996,
	E04233, Y11254, AR029490, AL122106, AF111851,
	146765

1584 HSY	HSYAP76	876701	Preferably excluded from the	AW411543, A	AW411543, AL039599, AI351337, AI826980,
-			present invention are one or more	AA160380, N	AA160380, N67961, AI378493, AI951298, AI090558,
			polynucleotides comprising a	AI348126, A	AI348126, AA478324, AI200956, AA644040,
			nucleotide sequence described by	AW024189, P	AW024189, AA587243, AI812050, AI362845, F29594,
			the general formula of a-b, where a	AA776518, 7	AA776518, AA789114, AA931516, AI003566,
			is any integer between 1 to 484 of	AI707494, P	AI707494, AA970343, H11327, AA947278, AA076341,
			SEQ ID NO:1584, b is an integer of	AA915984, 7	AA915984, AI299557, AW299825, AA024520,
			15 to 498, where both a and b	AA258801, 7	AA258801, AA169301, AA342232, AA484880, W90755,
			correspond to the positions of	AA516277, 1	AA516277, AI015269, R53617, AA113377, AI379669,
			nucleotide residues shown in SEQ ID	AA829839, 7	AA829839, AA876766, H05518, AA053830, AI991853,
			NO:1584, and where b is greater	AA810454, 7	AA810454, AI766365, R85352, AA502109, AA922383,
			than or equal to a + 14.	H09142, AI6	H09142, AI680956, R69168, AA865843, H85022,
				AI886514, 7	AI886514, AA215481, R06394, AA524191, AA074146,
				AI638009, I	AI638009, R76047, AA528723, F19676, AA588290,
				N56241, N75	N56241, N75886, R22963, AW090423, AA088341,
				N22109, R75	N22109, R75873, AA508387, N98357, N67304,
	_			AA749208, 7	AA749208, AA355684, AA258709, R87295, AI192394,
				AA477680, 1	AA477680, AA765589, AI886515, AA302356,
				AA670313, F	AA670313, H11756, AA236894, AA304541, AA417858,
				AW167222, 1	AW167222, R51947, AA307613, AA478268, AA641818,
				AI252414, 1	AI252414, AI312364, AI244249, AI345180,
				AW269098, 7	AW268251, AI348870, AW268768,
				AW073865, 7	AI670009, AI473536, AI538259,
				AW409772, 1	AW409772, AI307604, AI433157, AI702073,
				AA838230, 7	AI500061, AW084056, AI633125,
				AW152182, 7	AI887308, AI872910, AL045500,
				AW020397, AW079432,	AW079432, AL040184, AI648454,
_				AI766348, AL036631,	ALO36631, AW162118, AW051088,
				AI698391, 7	AI915291, AW088691, AI859991,
				AI582932, 1	AI872423, AI889189, AI521560,
_				AI866469, 3	AW238688, W74529, AI281800, AI690748,
_				AI569583, 1	AI569583, AI432030, AI610770, N75779, AI538564,
				AW161156, 1	AI683173, AW089275, AA235825,
				AI623941, 1	
				AL046595, 1	AI918435, AL047344, AI884318,
				AI569637, A	AI569637, AA579618, AI868931, AA001397,

	A1340519, R81679, A1860003, A1625079, A1890507,
	AI499621, AW268067, AI620003, N33175, AI963058,
	AA420722, AI471909, AL121365, AW198090,
	AI890214, R32821, AI612750, AL037649, AI627988,
	AL045163, AW151136, AI815232, AW103442,
	AW078839, AL037454, AL119828, AL036802,
	A1579901, A1538764, AL039274, AA502794,
	AI863241,
	AW083374,
	A1345745, A1950892, A1801325, A1500523,
	AIS37273,
	AI797908, AI500662, AI866770, AI888661,
	AL121564, AI498067, AW118518, AI241923,
	AI254727, AI366900, AW193850, AW022808,
	AW078735, AI889376, AI687362, AL038605,
	AIS64719, AA693331, AI783530, AIS80190,
	A1379711, AA505147, AI610895, AW160905,
	AI866465, AL037582, AL037602,
	AI696612, AW163834, AF091555, U37408, AR014566,
	AJ010483, AB033122, AF067795, U35846, I48978,
	I89947, E04233, ARO38854, AJO00937, Z37987,
	AF090900, E12747, S63521, I48979, A08913,
	AF087943, A58524, A58523, A08910, A08909,
	AL023657, AF090934, AF125948, AL137271,
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_	AL050172, AL096744, AL080148, AL050393,
	AF057300, AF057299, I00734, I49625, E00617,
	E00717, E00778, AL133665, X72889, A08916,
	AF113694, Y10936, X70685, AF146568, AL122118,
	AR013797, AF113019, AF097996, I33392, AL049314,
	AF026124, AF090903, AL137533, AL137488,
-	AL137476, AL133560, X81464, AL133067, AF028823,
	Y16645, AL049283, AL122050, AF079763, AL049347,
	AL050116, AL137558, AL137480, AJ012755,
	AL133080, AL110221, AL117457, AF061981,

				AF104032, M92439, Y10655, AL137283, A65341,
				E05822, A08908, E06743, AF177401, U78525,
				AL137550, AL117435, A03736, AL110280, AL137557,
				AL080159, AF113699, Z82022, I46765, AF183393,
	-			Y14314, AL050149, AL133568, AF185576, Y07905,
				AL137294, S78214, AL122110, AL049300, AL050024,
				AL137478, E02349, AL137459, AL117460, AL050155,
				U88966, AF100931, AL110196, AL049430, AL137529,
				AL117394, AL137705, AF061573, AL137292,
				AL110159, X60786, AF132676, AL133640, AF061836,
				AL110197, X84990, A93350, AF039138, AF039137,
				AL133606, X83508, AL035458, AB016226, X82434,
				AF113677, L19437, AL050277, X72624, AL133075,
				X65873, AL137479, AR011880, A18788, A21103,
				AF091084, AF017437, AL117463, AL137523,
				AF061795, AF151685, AL133016, S68736, AF090901,
				AF106657, AF106862, S36676, AL049938, A18777,
				AR000496, U39656, AL080110, Y09972, AF090896,
				AF008439, AF098162, AF113013, AF054599,
				AF067728, AL117416, AF153205, A07647, I09499,
				AL050108, AF032666, S61953, X87582, Y11254,
				AL049382, AL117626, I17767, AJ238278, AL122100,
				AJ003118, AL050146, AL122093, AL050092, X98834,
_				AL137463, AF113690, AL117644, X83544, AF111851,
				U58996, AL049466, AF090886, AL117440, AL110225,
				U80742, AF030513, AL050138, AL133031, AF102578,
				I42402, U00763, E03348, AF118094, AR038969,
				AL137538, AL080074, I03321, X59414, AF139986,
				U42766, AL137660, X53587, D83032, AF162270,
				X62580, AL117583, L13297, A12297, AL122121,
				AL122123, E15569, AL080124, AF119337, AF117959,
				AF113689, AF126247, A65340, U67958, AL137560,
				U67328, AL133081, AF151109, AL117649, E08631,
				AL133072, AL110222, AF079765
1585 HCI	HCRMV17	876716		AI492198, AA381672, W44823, AB002357, D26077
			present invention are one or more	

			polynucleotides comprising a nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 714 of	
			SEQ ID NO:1585, b is an integer of	
			15 to 728, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1585, and where b is greater	
			than or equal to a + 14.	
1586	HOEKCS9	876719	Preferably excluded from the	AI436209, AW026035, AI401315, AI446530,
			present invention are one or more	AA588136, AI591172, AA497132, AA927681,
			polynucleotides comprising a	AA497055, AI951115, AI200036, AW238900,
			nucleotide sequence described by	AI493315, AI400504, AI089283, AI925204,
			the general formula of a-b, where a	AW069539, AA857330, AI191461, AI378670,
			is any integer between 1 to 1794 of	AA410339, AI472923, AA747530, AA766215,
			SEQ ID NO:1586, b is an integer of	AA988960, AA037081,
			15 to 1808, where both a and b	AA704133, AI080251,
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	AA235125, AA825222, AA449908, AW206209,
			NO:1586, and where b is greater	AA130080, AA029281, W25810, AA613492, Z44379,
			than or equal to a + 14.	T19354, AA406250, AA250960, N74300, T19203,
				AI417639, D82431, AI198426, R23635, Z40312,
-				AW390845, D79780, D79680, R24115, AA455230,
				AW390828, D63116, AA465608, T10625, W51823,
				N88198, AA029425, AW390832, D19792, AA258657,
				AA449961, AA089740, AB003103
1587	HKCSL28	876722	Preferably excluded from the	AI275539, AI299922, AI245421, AA872397,
			present invention are one or more	AI288931, AA927697, AI244692, AI378809,
			polynucleotides comprising a	AA887588, AA917836, AA894628, AI299933, T28672,
			nucleotide sequence described by	AL022315, M87842, M14079, M87859, M87860
			the general formula of a-b, where a	
_			is any integer between 1 to 363 of	
			SEQ ID NO:1587, b is an integer of	
			15 to 377, where both a and b	
			correspond to the positions of	

			nucleotide residues shown in SEQ ID				
			NO:1587, and where b is greater than or equal to a + 14.				
1588	HHEFB46	876725	Preferably excluded from the	AI052256,	AI126717,	AI052256, AI126717, AW189938, AA745594,	AA745594,
			present invention are one or more	AI885180,	AW070663,	Z99376, A	AI885180, AW070663, Z99376, AI014817, AW239211,
			polynucleotides comprising a	AI784576,	AW327439,	AI784576, AW327439, AA524748, AW073683,	AW073683,
			nucleotide sequence described by	AW276639,	AA835672,	AI608763,	AW276639, AA835672, AI608763, N36799, AW247076,
			the general formula of a-b, where a	AA627848,	AI127547,	AA627848, AI127547, AA740916, AW327258,	AW327258,
			is any integer between 1 to 1472 of	AA166916,	AA568685,	AA166916, AA568685, AA828239,	Z99375, AA700740,
			SEQ ID NO:1588, b is an integer of	AW327612,	AA812422,	AW327612, AA812422, AA099018,	AA761648,
			15 to 1486, where both a and b	AI051506,	AI051506, AA573156,	AI025865,	AA503846,
			correspond to the positions of	AA592898,	AA160273,	AA775540,	AA451628,
			nucleotide residues shown in SEQ ID	AI185757,	AA768416,	AA687268,	AI37.1140,
			NO:1588, and where b is greater	AI371046,	AA074799,	AW029151,	AW250428,
			than or equal to a + 14.	AI138225,	AI089539,	AI004126,	AA809470,
				AI537332,	AI073676,	AI190076,	AI278484,
				AA167073,	AA127406,	AA649193,	AA721424,
				AA715174,	AA978034,	AA524391,	AI923795, W88636,
				AA393865,	AW403551,	AA173982,	AW362155, W73908,
				AI635344,		AA856908, AA962673,	AI024400,
				AA992622,		AI167830, AA314538,	AI031946,
				AI752947,	AA100657,	AI922493,	AA100657, AI922493, H83589, AA593126,
				AA888675,		A031733, A	R54097, AA031733, AI033288, AA506081,
				AI380802,		AI491801, AI953284, AA085335,	AA085335,
				AA127405,		AA515785, AI761093, AA076411	AA076411,
				AA075012,	AA305905,	W76601, A	AA305905, W76601, AI039462, AA450223,
				AA112634,	AA082732,	W74770, A	AA082732, W74770, AW341032, AA725074,
				AA074990,	AA009468,	AA889213,	AA074990, AA009468, AA889213, AA565437,
				AW079297,	AA099096,	AI064753,	AW079297, AA099096, AI064753, AA027240, H00352,
				AA173626,	AI380804,	W88554, A	AA173626, AI380804, W88554, AA076267, AW105351,
				AA076266,	W52167, A	W021312, A	AA076266, W52167, AW021312, AA693887, AA164763,
				AI249663,	AA031732,	AA403080,	AI249663, AA031732, AA403080, R89292, R51433,
				AW327440,	H02543, N	52907, AA1	AW327440, H02543, N52907, AA113337, AA127505,
				AI282747,	AA164762,	AA411811,	AI282747, AA164762, AA411811, AI459951,
				AA133539,	AA514558,	AA133539, AA514558, AI197787, AA160272	AA160272,
				AW393147,	AA314358,	AA933718,	AW393147, AA314358, AA933718, C00036, AA639385,

				F25558, HO	2544, AI69	6072, H714	F25558, H02544, AI696072, H71452, AA361575,
				R11641, AA	115764, AI	720134, R5	R11641, AA115764, AI720134, R54151, AA588847,
				W73014, R9	9520, R892	93, AA9694	W73014, R99520, R89293, AA969406, AI797468,
	_			AA864670,	AA864670, AI083791, AA628031, AA974650,	AA628031,	AA974650,
,				AA053334,	AI379135,	AI380120,	AA053334, AI379135, AI380120, AA058648, T27975,
				AA393799,	AA738408,	AA076505,	AA393799, AA738408, AA076505, H94038, AI126113,
				AW449655,	AI686294,	T47873, T7	AW449655, AI686294, T47873, T73141, R16766,
				AA810517,	T74664, RO	7722, R077	AA810517, T74664, R07722, R07723, AI300209,
				N45959, H4	7972, AI37	9137, AA90	N45959, H47972, AI379137, AA903779, AA876048,
				AA320546,	AA922980,	AA782268,	AA320546, AA922980, AA782268, R10017, AA644180,
				R15278, AA	356761, AI	688217, R9	R15278, AA356761, AI688217, R93621, AI476203,
				AI267797,	AA027239,	AA910612,	AI267797, AA027239, AA910612, AI201954, R09847,
				AW364121,	AA179728,	H47662, AW	AW364121, AA179728, H47662, AW104377, AA872213,
				AI718364,	AW166745,	AA191273,	AI718364, AW166745, AA191273, AA492543, T83787,
				W24030, AW	1197934, TI.	1052, AI68	W24030, AW197934, T11052, AI686637, AW351540,
		_		N55602. AA	127491. AA	665178 W6	N55602, AA127491, AA665178, W63552, AT143483
				D00531 AB	000000	5393 TO30	DOORST BANDOTON DRESES TOINED TO THE TOTAL
				10000 H	מינית ייניים	1001 (CC)	, 5 0 2 C T T T T T T T T T T T T T T T T T T
				F06634, T1	FO6634, T18456, H94124, M29536, X73836,	24, MZ9536	, X/3836,
				AL031668,	AL031668, AC007934, AF076927	AF076927	
1589	HWBBS84	876726	Preferably excluded from the	AA775676,	AA775676, AA306997, AW299505, AA295175	AW299505,	AA295175,
			present invention are one or more	AI660377,	AI660377, AI698467, AI925518	AI925518	
			polynucleotides comprising a				
			nucleotide sequence described by				
		_	the general formula of a-b, where a				
			is any integer between 1 to 984 of				
			SEQ ID NO:1589, b is an integer of				
			15 to 998, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1589, and where b is greater				
			than or equal to a + 14.				
1590	HSIFZ22	876728	Preferably excluded from the	AI554023,	AI554023, AI913274, AW383970, AW383965,	AW383970,	AW383965,
			present invention are one or more	AW383954,	AW383954, AIS39770, AI609013, AL043107,	AI609013,	AL043107,
			polynucleotides comprising a	AW383974,	AW383974, AW383967, AW167072, AW383980,	AW167072,	AW383980,
			nucleotide sequence described by	AI591170,	AI591170, AA001432, AI612801, AW129469,	AI612801,	AW129469,
			the general formula of a-b, where a	AI799420,	AI799420, AA001431, AW383968,	AW383968,	AI978633,

AW183979, AW180739, AI289788, AL041919, AI175787, AA888783, AI560125, AW183982, AI129128, AI073851, AI818814, AAA157885, AA157573, AW186558, R53920, AW1863206, AI590019, W67551, D29067, AA143454, AI273137, T29043, AI681062, AA862112, AW183985, R53921, AI609506, AI648445, C00135, D29068, AI567045, W67580, N74341, AW189660, AA143453, AI166413, D29362, AW383976, AW3632556, AW392754, T25083, L134155, X84800, X84013, X84014, U61261, X85109	1, S79869,	AW168903, AW262903, AI750592, AI750592, AW022107, AI740606, AI752768, AI752768, AW131293, AW31293, AW350793, AR35800, AA976657,
AW383979, AW380739, AI289788, AL041919, AI75787, AA888783, AI560125, AW383982, AI129128, AI079851, AI818814, AA157885, AA157573, AW36558, R53920, AW363206, AW67551, D29067, AA13454, AI273137, T29 AI681062, AA862112, AW383985, R53921, AM68445, C00135, D29068, AI567045, W67 AI441, AW189660, AA43453, AI168413, DA4341, AW363205, AW392754, T25083, IX84900, X04013, X04014, U61261, X05101, X051	AI750182, S79811, S79910, U37431, S79869, AC004079, Z64816	
AA888783, AA888783, AI073851, AW365658, 29067, AA12, AA862112, C00135, D3 W189660, AJ	S79871, S' 264816	AL045837, AW290917, AI925409, AW066826, AL083568, AW026383, AI926513, AI979214, AI890598, AM339074, AA418236, AM029483, AW3595181, AA664461, AI752803, AI751522, AI925816, AI459360, AI751522, AI252816, AI469380, AI750945, AI69639, AA699476, AA67522, AI750659, AI889686, AA67522, AI750659, AI889686, AA685379, AA853461, AA298896, AA853579, AA853461, AA238896, AA853579, AA853461, AA238896, AA853579, AA853461, AA83896,
AW383979, AI375787, AI129128, AA157573, W67551, D M67551, D AIG481062, AIG4845, N74341, A AW383976, X84900, X	AI750182, S79871 AC004079, Z64816	AL045837, AW068826, AW32513, AW3295181, AW295181, AI75122, AI752291, AI750945, AA342752, AA342752, AA3453796, AA357766, AA367755,
is any integer between 1 to 2108 of SEQ ID NO:1590, b is an integer of 15 to 2122, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1590, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynuclectides comprising a polynuclectide sequence described by the general formula of a-b, where a is any integer between 1 to 515 of SEQ ID NO:1591, b is an integer of 15 to 529, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1591, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynuclectides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1202 of SEQ ID NO:1592, b is an integer of 15 to 1216, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1592, and where b is greater than or equal to a + 14.
	876731	876732
	HCRNB80	НТРА <i>Ү47</i>
	1591	1592

				AMIEGAZO AMICOLA ANCOCA LOSOCO ATOCOCO
				ARISON, ARIBONA, ARBITA, ROUGEN, ALIZONA, COLORY, ALCOSON, ALLOSTIB, ABO33025, I95744, ARO53539
1593	H2LBA37	876743	Preferably excluded from the	AA315933, AA314510, AF121164
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 675 of	
			SEQ ID NO:1593, b is an integer of	
			15 to 689, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1593, and where b is greater	
			than or equal to a + 14.	
1594	HWLIP86	876744	Preferably excluded from the	AW024392, AF121164, AA863031, AA639871,
_			present invention are one or more	AA954258, AA877523, AA741216, AI289873,
_			polynucleotides comprising a	AA515094, AA568880, AW272162, AA315933,
			nucleotide sequence described by	AA314510, AW135907, AA887896, AA954266, AA577173
			the general formula of a-b, where a	
			is any integer between 1 to 932 of	
			SEQ ID NO:1594, b is an integer of	
		_	15 to 946, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1594, and where b is greater	
			than or equal to a + 14.	
1595	HGBAM79	876745	Preferably excluded from the	AA424088, AA419164, AI003828, T28640, H69474,
			present invention are one or more	Y00291, M96023, S56660, X07282, AF110730,
			polynucleotides comprising a	AF110729, AF157483, X59473, I09352, I09359,
			nucleotide sequence described by	S63196, X57340, X57339, X56674, X57341, M96022,
			the general formula of a-b, where a	I09358, M96021
			is any integer between 1 to 861 of	
			SEQ ID NO:1595, b is an integer of	
			15 to 875, where both a and b	
_			correspond to the positions of	:

			uncleotide residues shown in SEO ID				
			NO:1595, and where b is greater				
			than or equal to a + 14.				
1596	HKAFU85	876747	Preferably excluded from the	AI346365,	AI346365, AA641709, AA627539, AI340146	27539, AI	1340146,
_			present invention are one or more	AI909720,	AA555216, C16	952, AW01	AI909720, AA555216, C16952, AW014754, AA857163,
			polynucleotides comprising a	AA975933,	T29526, AI431	323, AI26	AA975933, T29526, AI431323, AI269804, AW371982,
			nucleotide sequence described by	T61465, D2	T61465, D29449, AW268543, M30704, AR052268,	3, M30704	4, AR052268,
			the general formula of a-b, where a	M30699, M3	M30699, M30703, AR052271, M30698, AR052272,	1, M30698	8, AR052272,
			is any integer between 1 to 1243 of	M30700, YC	M30700, Y09830, M30701, M30702, AR040760	M30702,	AR040760
			SEQ ID NO:1596, b is an integer of				
			15 to 1257, where both a and b				
_			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1596, and where b is greater				
	,		than or equal to a + 14.				
1597	HNFE067	876750	Preferably excluded from the	AW361809,	AW361809, AA775705, AW361849, AA639664,	61849, AJ	A639664,
			present invention are one or more	AW361714,	AW361714, AW370643, AW361561, AW378536,	61561, AV	W378536,
			polynucleotides comprising a	AW378537,	AW378537, AW378541, AA088182, AI185232,	88182, AJ	1185232,
			nucleotide sequence described by	AI679593,	AI679593, AW378535, AI831033, AW390710,	31033, AV	W390710,
			the general formula of a-b, where a	AA043959,	AA043959, AA088652, AA968933, AA621368,	68933, AJ	A621368,
			is any integer between 1 to 927 of		AA524822, AA0	43825, N	AA524822, AA043825, N21038, AW062555,
			SEQ ID NO:1597, b is an integer of	AW361879,	AI620610, AI906062, AW385408,	06062, A	W385408,
			15 to 941, where both a and b	AW373796,	AW385411, AW385415, AW360894,	85415, A	W360894,
			correspond to the positions of	AF112225,	H75542, AW385929, N84722, T19738,	929, NB4	722, T19738,
			nucleotide residues shown in SEQ ID	AW193817,	AW193817, AW379467, AL135407, AA096480,	35407, A	A096480,
			NO:1597, and where b is greater	AA911574,	AA911574, AA745725, AI245925, AA128676,	45925, AJ	A128676,
			than or equal to a + 14.	AI087249,	AI744235, AI7	52870, AJ	AI087249, AI744235, AI752870, AF201337, X05276,
				298883, AC006316	1006316	:	
1598	H2MBA27	876752	Preferably excluded from the	AIS71948,	AIS71948, AA308400, AA573793, AA314326,	73793, AJ	A314326,
			present invention are one or more	AA568312,	AA568312, AA614579, AI925552, AA307578,	25552, AJ	A307578,
		,	polynucleotides comprising a	AA507595,	AA507595, AA614409, AA314825, AA578674,	14825, A	A578674,
			nucleotide seguence described by	AA582084,	AA582084, AW009769, AA514776, AA588034,	14776, AJ	A588034,
			the general formula of a-b, where a	AW004668,	AW004668, AA587613, AA858276, AW050700,	58276, AI	W050700,
			is any integer between 1 to 491 of	AI624586,	R83818, AI001	051, AI9	AI624586, R83818, AI001051, AI910275, AW050690,
			SEQ ID NO:1598, b is an integer of	AA864309,	R83377, AA524	242, AA5	AA864309, R83377, AA524242, AA507418, AI202532,
			15 to 505, where both a and b	AI307407,	R55389, AI970	839, R55	AI307407, R55389, AI970839, R55292, AI909751,

			correspond to the positions of	AISTUUBS, AISUS//2, AA614539, AISUS/49,
			nucleotide residues shown in SEQ ID	AA506787, X00474, X52003, E02904, M12075,
			NO:1598, and where b is greater than or equal to a + 14.	E03953, X05322, X05321, X05030
1599	HWLMB30	876753	Preferably excluded from the	AI307407, AI571948, AI909772, AI909751,
			present invention are one or more	AI909749, AW009769, AI970839, AW050690,
			polynucleotides comprising a	AW050700, AA524242, AA587613, AA858276,
			nucleotide sequence described by	AI202532, AA507595, AW004668, AA514776,
			the general formula of a-b, where a	AA578674, AA573793, AI925552, AA614409,
			is any integer between 1 to 266 of	
			SEQ ID NO:1599, b is an integer of	AA307578, AI001051, AA568312, R83377, AI624586,
			15 to 280, where both a and b	AA314326, AA314825, AA507418, X00474, X05322,
			correspond to the positions of	M12075, X52003, E02904
			nucleotide residues shown in SEQ ID	
			NO:1599, and where b is greater	
			than or equal to a + 14.	-
1600	HHEBN60	876760	Preferably excluded from the	AI131324, AL037422, AL037391, AW161774,
			present invention are one or more	AI890947, AA122289, AA584305, AW273236,
			polynucleotides comprising a	AI862040, AW085692, AI209167, AA148506,
			nucleotide sequence described by	AI351762, N66647, AI523188, AW273178, AI830451,
			the general formula of a-b, where a	AA452008, AA705906, AL043832, AI571577,
			is any integer between 1 to 1515 of	AI219060, AI361659, AA632645, AA662786,
			SEQ ID NO:1600, b is an integer of	AW273354, AI885486, AA627153, AI050005,
			15 to 1529, where both a and b	AA580620, W56473, AI266655, C75555, AA884431,
			correspond to the positions of	W70047, W70048, N63491, N64411, AW055257,
			nucleotide residues shown in SEQ ID	AI424319, AI554547, AI521110, AI559699,
			NO:1600, and where b is greater	AI623228, N92821, AA160261, AA135865, AA171948,
			than or equal to a + 14.	AI619980, AW088109, AA169427, AI434909,
				AW021267, AI539602, N94794, H03661, AA999936,
				C17025, A1055978, H03756, AI567074, AA151579,
				AI918516, AA207108, H88943, R70308, AI904987,
				AA345034, AI970814, H89175, R70632, AA135864,
				AA740380, AA156595, AA353886, R22230, AA618325,
				D56914, H44681, AI355451, AI955112, AI919589,
				C75412, AA577375, C75470, AI907423, T50659,
				AW263380, D56915, C02126, AI284452, R31847,

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				T40470, AI904794, AA384278, AI568036, T39196.
				C75672, T27972, D55752, R22288, AA862190,
				AI907464, AA149395, AA513034, R35775, AA484012,
				AA649723, AA160260, AA074934, AA262411,
				AA828667, AA501402, AW302880, AI076612,
				AA506004, AA975564, D19957, L10911, L10910,
				AL034370
1601	HOEMQ68	876762	Preferably excluded from the	AI810904, AA603949, AI680975, AI754691,
			present invention are one or more	AI126502, AI393833, AI770102, AWZ61877,
			polynucleotides comprising a	AI335098, AI633698, AI093265, AI027769,
			nucleotide sequence described by	AI885125, AI373081, AI580943, AI393771,
			the general formula of a-b, where a	AA749301, AW338708, AI250780, AA287845,
			is any integer between 1 to 3082 of	AW453050, H71837, W03966, AA152044, AA603836,
			SEQ ID NO:1601, b is an integer of	AA287846, AA042955, N99630, W02451, N25637,
		_	15 to 3096, where both a and b	AI917997, AA244066, R63787, AA578977, AW239000,
			correspond to the positions of	R78310, H54574, AA037115, N34235, AI240141,
			nucleotide residues shown in SEQ ID	AW130305, H02870, AA042815, R73884, AA334992,
			NO:1601, and where b is greater	AA114063, AA515422, AA368391, R62757, AA311857,
			than or equal to a + 14.	R82819, AI128764, R63733, AA664138, AA953035,
				AA113801, R63857, AA298118, R23143, R62758,
				T69806, AA303428, R34175, R73971, H59544,
				R23144, T70792, R31823, R82820, AI933547,
				AA244223, AI806610, AA742952, AI453225,
				AA327996, AW338192, R22283, R77939, AI240290,
				N72673, N95485, AA152084, AI383282, H60415,
				N98505, AW361055, R32084, R31777, R34297,
				R32031, AA374818, AA300327, AI076967, AA622059,
				R63858, N73903, AW150955, AI368478, AA037154,
				AW087179, AL080209, X67780, AF130561, M96248,
				M64474
1602	HHFCP36	876764	Preferably excluded from the	AA347863
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 322 of	

			SEQ ID NO:1602, b is an integer of	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1602, and where b is greater	
			than or equal to a + 14.	
1603	HTXKH86	876767	Preferably excluded from the	AA314774, AI291017, AA191539, AI298290,
			present invention are one or more	AA147791, AW238920, AA308544, AA187762,
			polynucleotides comprising a	AA081307, AA075926, AA773549, W52392, AA780574,
			nucleotide sequence described by	AL038991, AA307244, AA181578, AA081167, C06415,
			the general formula of a-b, where a	AW402249, AA165319, AA132481, AW247110,
		_	is any integer between 1 to 1021 of	AA076454, AA079384, AA304499, AA181561,
			SEQ ID NO:1603, b is an integer of	AI857405, T35498, C06389, AA181655, AA314234,
			15 to 1035, where both a and b	AA352654, Z45227, AA992505, AW000888, AI651014,
			correspond to the positions of	AI392985, T34265, AI344273, AW341319, AA190808,
			nucleotide residues shown in SEQ ID	R71708, AF104669, U87954, AR035973, U59435,
		_	NO:1603, and where b is greater	X84789, U43918, U50137
			than or equal to a + 14.	
1604	HISCI72	177578	Preferably excluded from the	AI743600, AI885169, AI937505, AI042181,
			present invention are one or more	AA854952, AI522015, AA400219, AI522002,
			polynucleotides comprising a	AA305093, N26064, AI888285, AA400130, AW296334,
			nucleotide sequence described by	AW292016, AW440393, AI146794, AA187458,
			the general formula of a-b, where a	AI262079, AA855005, AI476446, AA187590,
			is any integer between 1 to 2217 of	AI202446, AA860740, N50825, AI014949, AA041540,
			SEQ ID NO:1604, b is an integer of	AA846133, AI335358, AA885027, AI038001,
			15 to 2231, where both a and b	AW163208, AW070692, C06284, AAB38476, Z43206,
			correspond to the positions of	C05759, AA190468, AI680041, AA635314, AI034110,
			nucleotide residues shown in SEQ ID	AA622708, AI000051, R64675, W44694, D60048,
			NO:1604, and where b is greater	AA805958, F07813, Z40908, AA565995, F02659,
			than or equal to a + 14.	AI471921, F05522, F05523, AI034108, R27644,
				AW236720, AA039917, AW163735, R64676, R27550,
				W38645, F01794, F01795, AW263460, D52614,
				AW151942, AA090824, C00912, X92396, AJ225782,
				X96737, AJ004799, AJ225808, X95807, AJ133541,
				AJ133539, AJ225807, X95806
1605	HJACJ75	876773	876773 Preferably excluded from the	AA309052, AW247981, AA311506, T87086, AA352616,

			present invention are one or more polynucleotides comprising a	AW339919, AI128037,	R01803, AW AW392879,	AW339919, R01803, AW054854, H63371, AI097555, AI128037, AW322879, AW322871, AI197762,
			nucleoride sequence described by the general formula of a-b, where a	AW392909,	AW392909, H45736, U18300	0058
			is any integer between 1 to 665 of			
			SEQ ID NO:1605, b is an integer of			
			15 to 679, where both a and b			
			correspond to the positions of	_		
			nucleotide residues shown in SEQ ID			
			NO:1605, and where b is greater			
			than or equal to a + 14.			
9091	HTEDS58	876776	Preferably excluded from the	AA147098,	AA506483,	AA147098, AA506483, AA459122, AA553631,
			present invention are one or more	AA687219,	AA639000,	AA687219, AA639000, AA507321, AI475344,
		_	polynucleotides comprising a	AW016032,	AA902221,	AW016032, AA902221, N47467, H15303, W69943,
			nucleotide sequence described by	AA419435,	W69833, AA	AA419435, W69833, AA680161, T27895, AI680311,
			the general formula of a-b, where a	H93979, C.	75158, H939	H93979, C75158, H93980, R25544, AA223335,
			is any integer between 1 to 1663 of	H15697, A	1758259, AW	H15697, AI758259, AW079484, F02620, AI933243,
			SEQ ID NO:1606, b is an integer of	AI680312,	F02623, AI	AI680312, F02623, AI191766, R12384, AA371184,
			15 to 1677, where both a and b	AA714796,	AI383543,	AA714796, AI383543, T69739, R09794, AI873805,
			correspond to the positions of	AI581822,	AI371311,	AI581822, AI371311, R15273, AA093267, AA312224,
			nucleotide residues shown in SEQ ID	S67325, X	73424, ABOC	S67325, X73424, AB000886, M14634, M13573,
			NO:1606, and where b is greater	AJ006497,	AJ006496,	AJ006497, AJ006496, AJ006499, AJ006494,
			than or equal to a + 14.	AJ006488,	AJ006491,	AJ006488, AJ006491, AJ006493, AJ006492, M31167,
				AJ006498,		U86128, M31169, AJ006495, M31168,
				AJ006489,	AJ006490	
1607	HUVHP60	876789	Preferably excluded from the	AA347492,	AA307478,	AA347492, AA307478, R18976, AA233030
			present invention are one or more			
			polynucleotides comprising a			
			nucleotide sequence described by			
			the general formula of a-b, where a			
			is any integer between 1 to 1195 of			
			SEQ ID NO:1607, b is an integer of			
			15 to 1209, where both a and b			
			correspond to the positions of			
			nucleotide residues shown in SEQ ID			
			NO:1607, and where b is greater		i	

			than or equal to a + 14.					
1608	HUFCI29	876791	Preferably excluded from the	AW007623,	AI963511,	AIS87104,	AI453405,	
			present invention are one or more	AI694729,	AI694729, AI796832, AW363443, AW387811,	AW363443,	AW387811,	
			polynucleotides comprising a	AW387793,	AW387793, AI826957, AW361899,	AW361899,	AI955696,	
			nucleotide sequence described by	AI955780,	AI955780, AI827005, AW387799,	AW387799,	AI828295,	
			the general formula of a-b, where a	AW192552,	AA581220,	AA581220, AA527188,	AW387817,	
			is any integer between 1 to 2594 of	AW363244,	AI818260,	AI956167,	AI801443,	
			SEQ ID NO:1608, b is an integer of	AI904486,	AI400372,	AI921063,	AW338519,	
			15 to 2608, where both a and b	AI693877,	AI074261,	AI927711,	AI956102,	
			correspond to the positions of	AI920992,	AI972695,	AI911695,		_
			nucleotide residues shown in SEQ ID	AW076111,	AI682785,	AI921387,		
_			NO:1608, and where b is greater	AW337936,	AW363218,	AW364488,	AI346975,	
			than or equal to a + 14.	AI913862,	AW440967,		AW130304, AW360772,	
				AI696946,	AI672948,	C05920, A	C05920, AIS87485, AW070932,	70932,
				AI635943,	AI262029,	-	AI739440, AA100719,	-
				AI955836,	AI262264,		AW130542,	
				AI972967,	AW175800,		AA579753,	
				AI446049,	AI569938,	AI934313,	AI609930,	
				AI677998,	AI431963,	AA553880,	AI828330,	-
				AI597812,	AA040073,	AW360835,	AA917638,	
				AW377104,	AI682718,	AI354639,	AW376508,	
				AW192548,	AI962102,	AW376484,	AW392307,	U47705,
				AI813978,		AW362727, AW361642,	AA828073,	
				AI261531,	AI277071,	AW136050,	AW361304,	
				AI934325,		AA152037, AI695028,	AI631388,	
				AW377034,		AA316326, AI470301,	AI962061,	
				AW377083,		AW360762, AW362547, AI640638,	AI640638,	_
				AW391349,	AW375920,	AW375920, AW376475, AW243579,	AW243579,	
				AA130547,	AW365061,	AW365061, AI961867, AA135037,	AA135037,	
				AA581264,		AI250167, AI453469, AI696953,	AI696953,	
				AW376234,		I589481, A	T29561, AI589481, AI582988, AW387713,	87713,
				AI537547,		AW387715, AW376010, AI926514,	AI926514,	
				AA132781,		A367446, A.	D45505, AA367446, AA838269, AA295348,	95348,
•••				AI828399,		AI587351,	AI473526, AI587351, AA053595, TS	T93569,
	_			AW376489,	AW393447,	AW393447, AI584131, AA132182,	AA132182,	
				AW360942,	AW360942, AL121028, AI569894, AI264699	AI569894,	AI264699,	

			15 to 2013, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1609, and where b is greater than or equal to a + 14.	AI367070, AA976607, AA583461, AI249930, AM051844, AN205361, AA507715, A1954585, AA922244, AI273733, AA126244, AI087863, AI251918, AI334712, W67736, AI242730, AA101742, AM135527, AW402172, AA640129, AI347209, AL286337, AI881372, AI469691, AA069014, AA34466, NS04804, AI275702, NS0424, AA736752, C20724, N95586, AW304156, AA459318, AW192272, AI275964, AA347333, AA902224, AI220977, AA742300, AM084360, AI802071, AA886637, AI802496, AA876460, AI876381, AI8763827, AA59100, AI879891, AA321816, AA806651, AW270487, AW177230, N75503, AI763427, AI570080, AA602961, T27344, W25008, AA306002, AW377570, AA016984, W67735, AA377036, AA092406, AA876851,
0191	HAUAFS6	876798	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 590 of SEQ ID NO:1610, b is an integer of 15 to 604, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1610, and where b is greater than or equal to a + 14.	AA843663, AI636447, AI652163, AI741572, AA734839, AI191667, AI31840, AI092011, AA838667, AI651387, AW236921, AW241575, AA861653, AI600862, AA602368, AI689816, AM518128, AI183782, A194006, AI693445, AI141828, AI183782, AI194006, AI693445, AI141828, AI183782, AI194006, AI693445, AA732844, AI192168, AI217045, AA137055, AA5994789, AI693086, A8845631, AI094429, AA73326, AA181124, AI140430, AI860338, AA723326, AA506514, AI78897, AI142056, AA694462, AA527690, AA719919, W60495, AI128784, AA295736, AA719929, W74729, AA046090, AL079932, T27623, AI183793, AA77211, AA187497, W60781, W02217, AL047558, AI962738, W57590, W58378, AI040455, N78658, AA128249, F211069, AI27083, AI767352, COOT90, AI796289, AI1962786,

				AA046133, F29476, AI024484, D57900, AA187496, R27633, F15904, N92901, F16228, AI880466
				AA513941, AI028160, AA320194, AI942291, W15147,
				AA515161, AA319909, H27992, AA137126, AA032269,
				W17092, AA305767, AA317925, AA315585, AA316680,
				AA385920, AA082685, AA393514, AA319917, R82782,
				W21107, H58270, W60536, AW385090, AI857611,
				AA320009, AA125888, H48415, W74517, AI080481,
				H74142, W23645, F37285, AI831575, AW009545,
				AW405620, AI766029, AI208938, AI338767, H30492,
				AI907307, F00610, N86957, AI955298, AI904744,
				C02928, F31730, AA300671, AW375698, AA778636,
				AA314317, AW131256, AW173066, AI590946,
				AI880624, AI566275, N91884, AI610714, AA640156,
				AI573297, AI475815, H26962, AI923989, N25033,
				AA804541, AI638798, J02874, A98023, M94856,
				AF181449, AF102872, AF136241, AP000547,
				AP000365, I88901, R82963
1611	HHEUM2S	876802	Preferably excluded from the	AI817822, AA148948, N50594, N25959, AA086480,
			present invention are one or more	AA148949, AW272750, AA374494, AW105366,
			polynucleotides comprising a	AA160920, N50540, AA602221, AA160014, H53938,
			nucleotide sequence described by	AI079093, AI015698, AI439431, T89890, AA086479,
			the general formula of a-b, where a	H83411, AB033097
			is any integer between 1 to 965 of	
			SEQ ID NO:1611, b is an integer of	
			15 to 979, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1611, and where b is greater	
			than or equal to a + 14.	
1612	HWLQW0	876804	Preferably excluded from the	AW294678, N67220, AI538999, AW119213, AI367010,
	∞		present invention are one or more	AI039731, N91158, AI357776, AW051603, AI435358,
_			polynucleotides comprising a	AI369016, AI091413, AI435427, AW296026,
			nucleotide sequence described by	AW195056, AI765593, T16459, H99837, R55315,
			the general formula of a-b, where a	D29082, H88285, AI537645, R33635, D63011,
			is any integer between 1 to 490 of	AI553628, AI923565, AI270171, H49679, D61792,

			SEO ID NO:1612, b is an integer of	H52824, R55417	7	
			15 to 504, where both a and b			
			correspond to the positions of			
			nucleotide residues shown in SEQ ID			
•			NO:1612, and where b is greater			
			than or equal to a + 14.			
1613	HOEOP07	876807	Preferably excluded from the	AI290876, AI7	AI290876, AI765569, AI808777, AI338031,	AI338031,
			present invention are one or more	AA913566, AAS	AA913566, AA573434, AI568487, AW175945,	AW175945,
			polynucleotides comprising a	AI365073, AAE	AI365073, AA845201, AA919010, AW418765,	AW418765,
			nucleotide sequence described by	AA236333, AI1	AA236333, AI127241, AI014784, AA687950,	AA687950,
			the general formula of a-b, where a	AA860243, AI	AA860243, AI393429, AA236239, AI266211,	AI266211,
			is any integer between 1 to 1636 of	AA315078, AIE	102767, AA581469,	AA315078, AI802767, AA581469, AA620711, H45711,
			SEQ ID NO:1613, b is an integer of	AI679135, AIS	AI679135, AI572470, AA332122, AI024576,	AI024576, R70552,
			15 to 1650, where both a and b	AA296901, AIE	AA296901, AI809670, AW008766, AI915360	AI915360,
			correspond to the positions of	AI687397, AWC	AI687397, AW023240, H45668, H04001, AA297249,	04001, AA297249,
			nucleotide residues shown in SEQ ID	AA621680, AW1	.88056, D25944, A	AA621680, AW188056, D25944, AW196645, AA506116,
			NO:1613, and where b is greater	H26091, AW193	H26091, AW193001, R70465, AI784132, AA382289,	84132, AA382289,
			than or equal to a + 14.	H03205, AI537	H03205, AI537449, D58213, AA298492, AA298805,	98492, AA298805,
			-	D58295, AA904	D58295, AA904960, AA298494, AW020800, C03318,	W020800, C03318,
				AA370634, AF	AA370634, AF105036, U20344, U70662, AF117109,	170662, AF117109,
				AF022184, U70	AF022184, U70663, L26292, AB028623	28623
1614	HCQAE79	876809	Preferably excluded from the	AI346844, AW	AI346844, AW001371, AI991265, AI246778,	AI246778,
			present invention are one or more	AI749252, AI8	AI749252, AI832475, AW000710, AI672920,	AI672920,
			polynucleotides comprising a	AI991837, AI6	AI991837, AI677743, AI281892, AW000809,	AW000809,
			nucleotide sequence described by	AI991841, AIS	AI983400, AI673613, AW054915,	AW054915,
			the general formula of a-b, where a	AI991308, AA	AI991308, AA857748, AI672894, AI732375,	AI732375,
			is any integer between 1 to 973 of	AA534503, AI	AA534503, AI475425, AI673137, AI732350,	AI732350,
			SEQ ID NO:1614, b is an integer of	AA523410, AIS	991039, AW001307,	AA523410, AI991039, AW001307, AA327452, T28149,
			15 to 987, where both a and b	AA327059, AIS	AA327059, AI991842, AW374797, AI688199	AI688199,
			correspond to the positions of	AI475214, M94	AI475214, M94132, L21998, 195743	1743
			nucleotide residues shown in SEQ ID			
			NO:1614, and where b is greater			
			than or equal to a + 14.			
1615	HCQDR53	876811	Preferably excluded from the	AI738919, AI	AI738919, AI923216, AW237190, AI769620,	AI769620,
			present invention are one or more	AW137673, AI	AW137673, AI905420, AI905431, AI148633,	AI148633,
			polynucleotides comprising a	AW272315, AA	587775, AI499299,	AW272315, AA587775, AI499299, AW072235, W60565,

		nucleotide sequence described by	AA774861, T85091, AA150805, AA666115, AA150811,
	-	is any integer between 1 to 1473 of	243018, T35291, H82424, R72617, AI221587,
		SEQ ID NO:1615, b is an integer of	Z38222, Z39956, AA150709, F03307, R48157,
		15 to 1487, where both a and b	T35290, R40351, T35286, H71220, F03153, D61519,
		correspond to the positions of	AI650460, H71219, AF034745, AF034746
_		nucleotide residues shown in SEQ ID	
		NO:1615, and where b is greater	
		than or equal to a + 14.	
HOEFO36	876816	Preferably excluded from the	AI453687, AI571506, AI417180, AI453138,
	_	present invention are one or more	AA993886, AL048366, AI587024, AA769711,
		polynucleotides comprising a	AA906543, AI333633, AI692876, AW007640,
		nucleotide sequence described by	AI399951, AI983818, AI750469, AI433964,
		the general formula of a-b, where a	AW130422, AI355200, AI567515, AW069544,
		is any integer between 1 to 699 of	AI367996, AW338539, AI925385, AI583403,
		SEQ ID NO:1616, b is an integer of	AI014460, AI077522, AI435310, AI969659,
		15 to 713, where both a and b	AI016317,
		correspond to the positions of	
		nucleotide residues shown in SEQ ID	AI955590,
		NO:1616, and where b is greater	
		than or equal to a + 14.	AI378389,
			A1474336,
			AI342311, AI623621, AI753719, N23207, AI587013,
			AW068131, AA149811, AA723444, AA996275, N90797,
			AI888908, AI016443, AI961932, AI445548,
			AI783830, AA252895, AW382060, AA860598,
			AI417168, AI913843, AI624276, AW078934,
			AI635286, H88017, AW296238, H38240, AA131706,
			H88241, H88729, AI251004, AI351084, AA481319,
			AA194241, AI520853, AW068232, AI566383,
			AA853382, AA055161, AI610126, AW021156,
			AW021155, AI359367, AA586748, H78023, T79480,
			AA853653, AA779368, R40660, W86006, AW023185,
•			AA055064, T94348, AI033179, AA677178, AA976366,
			R51036, AA156786, AA131536, C00154, AA131612,
			T28255, AI701212, R40533, C16582, C21348,

				2000000	
				UZ5653, H88728, L12350	i, h12350
1617	HFIAL22	876817	Preferably excluded from the	AI346330, AA14	AI346330, AA149866, AW190828, AA149859,
	-		present invention are one or more	AA625208, AA15	AA625208, AA156875, AA569973, AW237648,
			polynucleotides comprising a	AI610126, AI01	AI610126, AI016317, AA315598, AA741426, N28788,
	_		nucleotide sequence described by	AI247016, AI75	AI247016, AI753179, AI160032, AA476585,
_			the general formula of a-b, where a	AI033179, AI13	AI033179, AI130835, AI342311, AI359229,
			is any integer between 1 to 3508 of	AI016334, AI37	AI016334, AI378389, AA600284, AW376487,
			SEQ ID NO:1617, b is an integer of	AI753153, AIB0	AI753153, AI804042, AI474336, AI338848,
			15 to 3522, where both a and b	AW068385, AA67	AW068385, AA677178, AA435731, AI750719,
			correspond to the positions of	AI752286, AW37	AI752286, AW376482, N23207, AI075364, AI623621,
			nucleotide residues shown in SEQ ID	AI359367, AI75	AI359367, AI752287, AW068222, AI587013,
			NO:1617, and where b is greater	AA962069, AA99	AA962069, AA996275, AI750268, AA137125,
			than or equal to a + 14.	A1246892, A175	A1246892, A1753719, AW073223, AA252872,
				A1417168, A195	AI417168, AI955590, W19516, AA397612, AA137054,
				AA316564, W946	AA316564, W94600, AI750531, AA723444, AI453687,
				AA860598, AW38	AA860598, AW382060, AI752635, T79570, AI624276,
				W95178, AW0679	W95178, AW067923, AW294003, T28255, AW296238,
				AIS71506, R511	AIS71506, R51145, H88729, AA331775, AA313295,
				AA481319, H780	AA481319, H78022, AA307252, AI351084, AA316570,
				AA625464, AW02	AA625464, AW023185, N83257, AA448908, R14334,
				AI417180, AI52	AI417180, AI520853, AIS66383, AA055161,
_				AA307888, AA63	AA307888, AA639814, AA853383, AA993886, T79480,
				AA375731, AA85	AA375731, AA853653, W86005, AW299293, H88728,
				AA327868, AA05	AA327868, AA055064, AA906543, W86006, AW068232,
				AL048366, T947	AL048366, T94703, AI333633, AI587024, AW007640,
				AI750469, AI45	AI750469, AI453138, AA193298, AA769711,
				AI983818, AI6S	AI983818, AI692876, AW130422, AA131536, C00154,
				AI355200, AA13	AI355200, AA131612, AI367996, AW338539,
				AI925385, AA38	AI925385, AA382961, AI399951, AI433964,
				AA344029, AW06	AA344029, AW068411, AI014460, AI701212,
				AW069544, AI75	AI750269, AA374787, AA040676,
				AI583403, AI56	AI567515, W46226, AI969659, W46227,
				AI077522, AA14	AI077522, AA149832, H38013, AW073799, AI435310,
	-			AA976366, C213	AA976366, C21348, AA149811, AA131691, D25653,
				N90797, AW0681	N90797, AW068131, AI635286, AA252895, AI888908,
	_			AI783830, AI96	AI783830, AI961932, N66997, AI016443, H88017,

				A1913843, A1445548, L12350, M81339, X96540,
				L07803, M60853, M87276, M64866, X87620, M62462
1618	HWLMN8	876822	Preferably excluded from the	AI742117, AW051723, AA933088, AI246040,
	2		present invention are one or more	AI702461, AA612941, AA017379, AI362464,
			polynucleotides comprising a	AA173916, AI474790, AI802234, AI863510,
			nucleotide sequence described by	AA059061, AI284788, AA724009, L20826
			the general formula of a-b, where a	
			is any integer between 1 to 888 of	
			SEQ ID NO:1618, b is an integer of	
			15 to 902, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
-			NO:1618, and where b is greater	
			than or equal to a + 14.	
1619	HCGTC31	876823	Preferably excluded from the	AI140351, AI859347, AA530873, AA121548,
			present invention are one or more	AI815642, AA768342, AI864674, AA127712,
			polynucleotides comprising a	AA722381, AA987515, AW275917, AA417302,
			nucleotide sequence described by	AI354682, AI025466, AI859814, AAI30959, N92869,
			the general formula of a-b, where a	
			is any integer between 1 to 1144 of	AI051671, AW089493, AA417265, AA587755,
			SEQ ID NO:1619, b is an integer of	AA045598, N21328, AA314322, AI371694, AA844332,
			15 to 1158, where both a and b	AA043186, AI567303, RB3064, AI350331, AW193146,
			correspond to the positions of	AA580315, AI039892, AA828283, AI952434,
			nucleotide residues shown in SEQ ID	AW377665, AI289086, AA100476, AI014387,
			NO:1619, and where b is greater	AA917482, AA975893, N21020, AA621534, AA045597,
			than or equal to a + 14.	H94056, AA306867, AW406948, AI564973, AI816957,
				AA729835, AI289415, AW103201, AI187288,
				AA661773, H80956, W04309, AW088039, AI018462,
				AA649285, AI083853, AI952495, AI419448, N47889,
				R89903, N27984, T40562, D82429, N80197,
				AA868207, AI955989, AI091426, AI873582,
				AW138496, H81296, AI288157, AI833059, T91268,
				R63140, AA130829, D12288, AA298770, AI699667,
				AI942324, AA310276, W22908, AA074395, D12293,
				T91580, AA342276, H81350, AA053266, AA353671,
				AI202414, AI832968, AA342277, AW084334, W25596,

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	-			AA23/133, AW331313, AW3//636, 198269, DIZZ34,
				AI866230, AI908913, AI868829, R83013, AI220723,
				T85780, AA344066, AA382073, AI310801, AA807562,
				AI908912, W38488, T91628, AA193223, AI864799,
				C75247, AA370966, AI144388, AA334159, AW381854,
				AA311797, AW381856, N51146, AA100050, AA314221,
_	_			AW380232, AA788629, N74141, AI802279, AI818065,
_				AA894373, AW021281, AL122042, AC007842
1620	HMHBJ66	876829	Preferably excluded from the	AW392298, AW272601, AW014611, AI080627,
			present invention are one or more	AA430298, AW384668, AI797727, AI608964,
_			polynucleotides comprising a	AW272675, AW102844, AA176108, AW377459,
			nucleotide sequence described by	AI131469, AI084855, H39807, AA625560, AI056544,
			the general formula of a-b, where a	AI753175, AI091091, N39574, AW071471, H49986,
			is any integer between 1 to 2246 of	AA910009, AW439892, H17269, AI963968, AI038233,
			SEQ ID NO:1620, b is an integer of	AI037961, AI038179, Z43393, W44646, H23373,
	·		15 to 2260, where both a and b	AI656018, H01113, AI908070, AI908158, AI206196,
			correspond to the positions of	AI831184, W28309, H17270, H23766, Z39465,
_			nucleotide residues shown in SEQ ID	H50029, AA307687, AW270187, H39808, T35734,
			NO:1620, and where b is greater	N46719, AA031949, AA331031, T34994, AA320956,
			than or equal to a + 14.	AA032033, H23262, N38880, H16357, AA355879,
				F02185, H23737, AA307468, W47462, AA127936,
				AI352060, F05939, F07123, AI342167, H16309,
				R27641, AA765464, AI342795, AA176107, AW238220,
_				AI061303, W44647, AA746939, AA524800, AA856945,
				AA054355, H81732, AA664924, AI624800, AW265688,
				AA515440, AW023975, AA714524, AW166920,
				AA054055, AA290802, AI478965, N34258, AA564682,
	-		-	R20234, AW338370, AI049845, H01243, AI749527,
				AW338244, AA588353, AA745302, AI859744,
				AA362732, AA528566, AA523695, AF155120,
				AL034423, U39361, AP000505, AL021453, AC007036,
				Y14768, U63721, AC003982, AC007193, AC002511,
_				AC004841, AC005632, AP000126, AP000204, Z85987,
				AC005920, AC005291, Y11107, AJ246003, AF001552,
				AC005318, Z81359, AL109613, AF111169, AL022322,
				AC005846, AL121655, AC004181, AL031662,

_	AL096701, AC004000, AF038458, U47924, AF001548,
	AF196969, AC005529, AL049747, AC005921,
	AL022316, Y18000, AC005348, AL009031, AC007842,
	AP000359, AC005874, AF134471, AC005091,
	AC002326, AC004216, U93305, AC004985, AC007845,
	AL118497, AC002351, AC006388, AC006064, Z83844,
	Z98949, AC004865, AL080243, AC005086, AL049795,
	AC005099, AF067844, AL035072, L78810, AC005231,
	AL121658, AL117337, AL049843, Z97053, AC002302,
	AC002377, AC005288, AC005822, AL031289,
_	AC003102, AL021546, AF165926, AC005004,
	AC005081, AC004531, U52112, AL078602, AC006059,
	AC004814, AC003010, Z93020, AL022320, AL132642,
	M89651, AC002565, AL049869, AP000117, AC004812,
	AL049748, Z97054, AC006390, AC006197, AP000104,
	Z54246, AC016026, AC004081, Z82198, AC004816,
	AC002492, AC006241, AC007537, AC006023,
	AL035420, Z99128, AC004019, Z97989, AL031311,
	Z81357, AC004797, AC003029, AC008122, AC005841,
	AL133485, AP000688, AC005102, AP000692,
	AC000353, AL031291, AC002288, AC006071,
	AC004887, AC002357, AC006276, AC007040,
	AL031728, AC004837, AC004685, AC005753, Z82190,
	AL133448, AL023553, Z95114, AC006449, AC005516,
	U95742, AC002375, AC006160, AC011456, AC004876,
	AL023807, AP000513, AC004477, AF039907,
	AL049779, AC006480, AL031281, AL133355,
-	AC007458, Z49258, AC003689, AL049694, AC005225,
	AC000026, AC004491, AC004770, Z98750, AC004587,
	AC004921, Z94721, AC010205, AF073485, AC004257,
	AL021707, AC005736, AC002364, AC004687, Z97630,
	AL080317, AC002465, AL035405, AC004858,
	AC003037, Z98036, AC000003, AC003108, AC005180,
-	 AC006117, AL133445, AC004021, AC004526,
	AC004890, AC005280, U80017, AC002551, AC006075,
_	AP000014, AB023049, AC004882, AC005839,

	R16959,	9, R79547, Z26985, AA371284, AW075272,
	R82468	R82468, H03770, AA557276, T54892, AA193674,
	R71125	R71125, H67495, AI903697, AA054724, T88917,
	AA0546	AA054671, T60999, AA328030, W73059, AI869152,
	AA2990	AA299007, AA088621, AA099163, T28498, AI249109,
	T47984	I47984, N21531, N78876, AA343326, AW023118,
	R16904	R16904, R27685, AA370412, AI537432, R22973,
	N71889	N71889, R36621, N93462, H21723, T84233,
	AA6882	AA688295, T47983, R71628, W21232, H02874,
	AA0905	AA090586, R27587, R35753, AA383049, R23079,
	R38472	R38472, AI499335, AW369677, AI636170, AA303089,
	R80715	R80715, N88610, AA190565, AI498550, AW175704,
	R82469	R82469, R35646, R58194, AA204890, AA055544,
	N84016	N84016, AW379755, R36622, AA733037, N56466,
-	T60941	T60941, R29162, AA218875, AW161156, AI621341,
	A14732	AI473208, AW051088, AI918809, AL135047,
	AI927233,	233, AIS90227, AW075382, AIS40674,
	AI539260,	260, AI475688, AI537677, AI698391,
	AI538885,	885, AI691131, AI859991, AA128805,
	AW008779,	AI950892,
	AI524179,	
	AW238688,	AI499890,
_	AI524654,	
	AI630932,	
	AI670895,	895, AI225000, AI620864, AI648494,
	AI633125,	125, AI499325, AA836168, AI538564,
	AL038445,	445, AI915291, AW152182, AI582932,
	AI590043,	043, AI872423, AI619820, AI434731,
	AI889189,	189, AI479292, AI866469, AI500714,
	A18843	AI884318, AI452560, AI638644, AI570056,
	A13706	AI370623, AI799313, AW189716, AA641818, W74529,
-	AIB600	AI860027, AI701097, AI499570, AI633009,
-	A14465	AI446538, AI590020, M30269, M27445, X84837,
	X84836	X84836, X84835, AL096744, I89947, AL049339,
_	AR0388	AR038854, AF087943, AL133624, M96857, Y13653,
	AR0346	AR034821, A77033, A77035, AL136884, I48978,

			AB028451, AF079763, A91160, AL117457, AL137480,
			A91162, AL049423, AL049347, X99226, AL023657,
			AL050277, AL110280, AL117587, X83544, A08913,
			Z13966, AF126488, AF185576, AL117435, A03736,
			297214, A08456, A31057, I33392, A08912, A08911,
			A41579, AF060555, A65340, X79812, AL137478,
			A76335, S76508, A57389, X70685, AL080110,
			AL117416, A08910, AC004200, A08907, A08909,
			AL133637, S36676, AL137530, AL137529, I32738,
			U35846, A18777, A21103, A08908, X66871, A65341,
			AL050116, AJ003118, AL050155, A58524, A58523,
			AR068751, Y10655, AL049283, AL035587, AL049447,
			AF013214, AL117463, AF031147, AF017790,
		,	AL110158, AF004713, S82852, AF151109, U42766,
			X53777, AF111112, A07588, AL080146, AL080159,
			AL137271, Z82022, M85164, AF183393, AF184965,
			AL137533, AF177401, AF061981, AF090901,
			AL050092, AL137267, AF125575, AR050959,
•			AB016226, AL137557, AF065135, AL122104, I48979,
	_		AL117649, AL137574, AL122100, E07108, U62807,
			AR068466, AL137479, AL110218, AL137550, I89931,
			S77771, E01614, E13364, I89944, AC006288,
			I49625, AF026816, AF090934, AL050138, E12580,
			E12579, I09499, U58996, AL049276, AL137300,
			S83456, Y08864, X63162, E12806, U86379,
_	-		AF026124, AL137711, AF044323, AL080126,
_			AL133072, I18358, I34395, AF032666, AF057300,
			AF057299, I89934, AL031346, X61970, S71381,
			U75932, X97332, AF078844, AL137657, AL049324,
			X82434, AL110196, AL049430, AL110296, AF111849,
			U87620, Y14314, AL137722, AF116573, AJ005690,
_	_		X72889, I77092, AL137537, E12747, A92311,
			AF082526, AF118094, U67958, I36502, AL137459,
	_		U55017, X67688, AL117460, AF047716, A58545,
			AF124728, AB026128, AL137476, A90832, AL133623,
			179595, AF002985, AF100781, AL050172, AL110197.

				AF106697, U68387, X01775, AF139373, AL137665, X06146 X96540 S61953 A86558 A1575 X00474
			•	AL133080, AF076633, AF159615, AF080622, U37359,
		_		AL050146, U73682, AR068753, AL122093, AL133112,
				AL133665, L04859, I29004, X66417, AL133559,
				AB019565, A12558, AF113019, AF100931, Y16645,
				U70981, Y11254, AL122050
1623	HMVCR68	876836	Preferably excluded from the	AI761567, AI149359, AI401619, AA740595,
			present invention are one or more	AA588565, AA424137, AI299200, AI143920,
			polynucleotides comprising a	AA021117, AI913301, AW151208, AA425305, N47966,
			nucleotide sequence described by	AI436446, AI685061, AF052498, AW081049,
			the general formula of a-b, where a	AW084051, AA451690, AW182326, AI332899,
			is any integer between 1 to 1244 of	AA169542, AA169443, AA954593, AA042910,
			SEQ ID NO:1623, b is an integer of	AA455865, AA149424, AI432492, AA460942, N47904,
			15 to 1258, where both a and b	AA319689, AI377265, AA042923, AA461248, H20482,
			correspond to the positions of	AI702363, AI371418, H85541, AW351484, AA151489,
			nucleotide residues shown in SEQ ID	AI955508, AA385706, D79614, AA369939, AA834737,
			NO:1623, and where b is greater	AW175964, H50494, AI291715, AI418716, AA861788,
			than or equal to a + 14.	AW339974, AA369940, H87923, AA452637, AB033080,
				D42138, AF011794
1624	HFCAI79	876837	Preferably excluded from the	AL048933, AI271440, AI092964, AI741387,
			present invention are one or more	AI760926, AI333315, AI680148, AA889492,
			polynucleotides comprising a	AW190196, AW365955, AL048932, AI416991,
			nucleotide sequence described by	AI923885, AI445890, AI138940, AI687147,
			the general formula of a-b, where a	AW365982, AI082757, AA280201, AI559407,
			is any integer between 1 to 2455 of	AA553490, AW079043, AW001900, AW027109, N25109,
			SEQ ID NO:1624, b is an integer of	AW365942, AI079486, AW451587, AI566301,
			15 to 2469, where both a and b	AI623964, AI032887, AW365973, H22632, AI498456,
			correspond to the positions of	AI270190, AW023890, AW137893, N40556, H47810,
			nucleotide residues shown in SEQ ID	AI336798, H52365, AI933592, AA371581, H52364,
			NO:1624, and where b is greater	AA904952, H22633, AA338820, AI537552, R16961,
			than or equal to a + 14.	T82008, H96979, AI565231, AA377237, T81883,
				T71558, R16906, C01340, AI761493, AA280380,
				N46600, H48145, AW021702, AA887860, AA377236,
				T71263, H42623, T71208, AC004849
1625	HBIOH43	876842	876842 Preferably excluded from the	AL049077, Z43264, AA362903, H44830, AA347303,

					00000		Γ
			present invention are one or more	W25140, A	M23148, AA369128, 439918	DIA.	_
			polynucleotides comprising a				
		_	nucleotide sequence described by				
			the general formula of a-b, where a				_
			is any integer between 1 to 1267 of				
			SEQ ID NO:1625, b is an integer of				
			15 to 1281, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1625, and where b is greater				
			than or equal to a + 14.				
1626	HOEMJ36	876856	Preferably excluded from the	AA910951,	AA843679,	AA910951, AA843679, AI348072, AI125272,	Γ
			present invention are one or more	AI042167,	AA845606,	AI042167, AA845606, AW129714, AI927609,	
	-		polynucleotides comprising a	AA868244,	AI978910,	AI978910, AIS25551, W06825, AA843914,	_
			nucleotide sequence described by	AA779705,	AW130928,	AW130928, W61040, W91932, AI831445,	_
			the general formula of a-b, where a	AW247636,	AA186566,	AA186566, AI359205, AA523378,	_
			is any integer between 1 to 1341 of	AI186133,		AI160604, AI041480, AI198816,	_
			SEQ ID NO:1626, b is an integer of	AI378985,		AI207388, AA720662, AA181832,	
			15 to 1355, where both a and b	AA928300,		AA890438, AI688759, AA393736,	_
			correspond to the positions of	AA151916,		W73728, AI184656, AI473972, AW272617,	_
			nucleotide residues shown in SEQ ID	AA719242,		AA890475, AA933747, AA534300,	_
			NO:1626, and where b is greater	AA987916,		AA622766, AI371055, AA878593,	
_			than or equal to a + 14.	AI811357,		AI829846, AI246201, AA987453, N21142,	_
				AA191541,	AI345998,	AA191541, AI345998, AI142485, AA307417,	
				AA393794,	AA102496,	AA393794, AA102496, AA934733, AW082787,	
		_		AW362863,	W96444, A3	W96444, AI343759, AW073775, N26594,	
		_		AI624204,		AI075412, W73785, AA706402, AI075444,	
		_		AA312077,	AW370975,	AW370975, AI304681, AA305477,	
				AW370958,	AI339961,	AI339961, AA988926, AI798191, H96572,	
				AI631255,		AA916632, N21361, AA393864, AI242708,	_
				AI186143,	AI344381,	AI002050, AA829718,	<u> </u>
				AA666025,	AI301839,	N31157, T51961, W96541,	
				AI186650,		N70868, AA189020, W35262,	
				AI335966,	AA868435,	AI243742, AI718683,	
				AI285022,	AW380029,	AI285022, AW380029, AI708661, W79062, W56704,	_
				AA450265,	AI203443,	AA450265, AI203443, AA313952, H05891, AA029676,	

	A1924457, A1253584, A1750319, W74474, AW380015,	, AW380015,
-	AAS41387, AI915283, AA953221, AI095790,	90,
	AA687834, N63798, H72663, AA627355, N33299,	N33299,
	W56739, N44829, H10500, AA223727, AW002227,	002227,
	AA961262, AW440854, N92556, C17191, AA223815,	AA223815,
_	AA156119, AW263927, AW007959, AA035712,	12,
	AI750318, H79841, H50961, AA703995, AA305808,	AA305808,
_	AA024948, R91859, R96677, W56383, AA332390,	332390,
	AW440710, T28956, AA912076, NS7269, N92539,	N92539,
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	AA771826, H72664, N94156, AI613134, N50485,	NS0485,
	AA628033, F02479, C17291, AA063528, R56364,	R56364,
	AA459660, W39039, AA642158, H62620, AA352976	AA352976,
	AA628038, AA729743, AA147291, T82974, AI749422	, AI749422,
	H96696, AA352839, N87245, W23447, AA627654	627654,
	AA459783, R57554, AA729543, T52041, AA143387,	AA143387,
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	AA191268, NS0430, AI468860, N54292, AW382069,	AW382069,
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	R85599, D25569, AA353199, H78693, AA091252,	091252,
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	AL034410, AR009805, Y00047, X53068, X57800,	X57800,
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	AF069506, A21101, AF090900, AL137558, AL133619,	, AL133619,
	AR034821, I89947, Y16645, A03736, AF028823,	028823,
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	AF106697, AF026124, A08912, AL133113, AJ012755,
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	AF087943, AL122106, AF200464, AJ003118,
	AL050108, AF039138, AF039137, AL096720, A08910,
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	AL122050, 126207, AL117416, AF151109, Z37987,
	AL110225, U72621, AL110280, A08911, I89931,
	AL137555, AL049382, AL050172, AL137554,
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	AL050092, AJ006417, AF102578, X53587, D83032,
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_				ALU4 Y33Y,	ALU49339, AFO9/996, AFU38847, AF141289,	AFUSBB47,	AF141289,	_
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				AL137660,	X07905, A	3029065, UI	AL137660, Y07905, AB029065, U88966, S75997,	
_		-		AB016226,	AB016226, AF100931, AF113677, AL117463,	AF113677,	AL117463,	_
				AF001215,	AL049314, Z72491	272491		
1627 I	HWHPZ02	876858	Preferably excluded from the	AW043824,		AI094162, AI150332, AW152394,	AW152394,	Γ
			present invention are one or more	AI363370,	AI340929, AW341579, AA904074,	AW341579,	AA904074,	
			polynucleotides comprising a	AI015843,	AI015843, AI039705, AI192155, AI338344,	AI192155,	AI338344,	
			nucleotide sequence described by	AI038188,	AI144479, AA922221, AA804396,	AA922221,	AA804396,	
		_	the general formula of a-b, where a	AA768639,		A256891, A	H29728, AA256891, AA708611, H29729,	
			is any integer between 1 to 1174 of	AA90254B,		AA641864, AA256375, AA310759	AA310759,	
			SEQ ID NO:1627, b is an integer of	AL038838,		AL038983, AA641863,	AL037727,	_
			15 to 1188, where both a and b	AL038532,	AI142134,	AW316536,	AA654177,	
			correspond to the positions of	AL038822,	AL043814,	AL043923,	AL043845,	_
			nucleotide residues shown in SEQ ID	AL040617,	AL044186,	AL041238,	AL047012,	
			NO:1627, and where b is greater	AL041577,	AL041459,	AL044064,	AL040294,	
			than or equal to a + 14.	AL041635,	AL044037,	AL047170,	AL040463,	
				AL040768,	AL046850,	AL045753,	AL041752,	
				AL045684,	AL040625,	AL047219,	AL040052,	
				AL043570,	AL043848,	AL041374,	AL043627,	
				AL041523,	AL041730,	AL044074,	AL041602,	-
				AL043492,	AL040839,	AL043677,	AL040472,	
				AL043467,	AL040510,	AL042135,	AL043538,	-
				AL047183,	AL040464,	AL045671,	AL046442,	_
				AL040621,		•	AL041133,	
				AL039316,	AL041324,	AL046392,	AL046914,	_
				AL040322,	AL044258,	AL044272,	AL040119,	
				AL041098,	AL041096,	AL045817,	AL040148,	
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				AL044187,	AL040458,	AL041163,	AL040576,	
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				AL040332,	AL041142,	AL041346,	AL040529,	
				AL041159,	AL044274,	AL044274, AL037436, AL041168,	AL041168,	
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	AL041086, AL040193,		AL037323, AW129525,
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	AL134524, AL0441	AL044125, AL037279, AL047037,	AL047037,
	AL043444, AA2571	AA257137, AA629169, AL046097	AL046097,
	AA257022, D79670	, AL044529, A	AA257022, D79670, AL044529, AL045328, AA094619,
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	AL043440, AA5854	39, AL045211,	AL043440, AA585439, AL045211, Z30131, T19415,
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	AIS46855, AIS41365, AI525306, AIS41523,	65, AI525306,	AI541523,
	AI541514, AIS415	09, D61254, A	AI541514, AIS41509, D61254, AI546999, AIS35639,
	AIS57731, R29445	, AI526194, A	AIS57731, R29445, AIS26194, AIS56967, AIS41508,
	R28735, AI546945	, T41289, AI5	R28735, AI546945, T41289, AI546828, AL040385,
	AL047163, AL0799	53, R29177, A	AL047163, AL079953, R29177, AI557787, AL134110,
	AI526073, AA585476, AA174170, AF161482,	76, AA174170,	AF161482,
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	A91750, A86792, AJ244004, A98767, A93963,	AJ244004, A98	1767, A93963,
	A93964, A85395, A85476, AR062872, AR062873	A85476, AR062	872, AR062873,

	אניססאר להטואל אפונסתאל מיסורה האסקרה
	A30323, AWZ44003, E14304, 144310, E1404, A4204, E1404,
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	A23334, A75888, I70384, A60111, A23633,
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	184553, 184554, I00682, A11623, A11624, E00609,
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	I08395, AR043601, A93016, A11245, A92133,
	I03331, A02710, E12615, AR035193, A07700,
	A13392, A13393, AR031488, I13521, I52048,
	A27396, AR027100, I49890, I44531, I28266,
	I21869, A82653, E16636, I44681, A90655, A70040,
	A24783, A24782, A95117, I62368, AR038855,
	AR031566, AF149828, I01995, I08051, I18895,
	I60241, I60242, A20699, E00696, E00697, E03813,
	I66482, AR009151, I66485, I66483, I66484,
	I66498, I66496, AR038066, AR027099,
	I66487, I66486, AR064707, U94592, AR051652,
	AR051651, AJ230935, AR008429, I05558, AJ230902,
	AJ230972, A68112, A68104, AJ230951, E12584,
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	D13316, AR035975, AR035977, D50010, AR009152,
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	X14684, AJ231028, I66495, I66494, A22734,
	AR022273, X91336, AJ230867, AJ230845, A70869,
	I36244, A29109, A32111, AR051864, D17247,
	A93923, AR051865, A06631, S60422, A83642,
	A83643, AJ231011, 166488, 166489, 166490,

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				AR063812, AR028564, A24548, A24546, Y14219,
				A93931, I05845, X91337, AC005541, AA971815,
				AI032717
1628	HLTAZ90	876865	Preferably excluded from the	AA873435, AA600839, AI768313, AI146480,
			present invention are one or more	AW058474, AA773760, AA902399, AI815095, W07335,
			polynucleotides comprising a	AI936013, AI887319, AW247888, AI290267,
			nucleotide sequence described by	AI949176, AI140850, AI383970, AA478888,
			the general formula of a-b, where a	AI335758, AA455467, AI131375, AA446062,
			is any integer between 1 to 1375 of	AI375904, AW273478, AI569525, W92189, AI080606,
			SEQ ID NO:1628, b is an integer of	AA446800, AI922678, W48604, AI669705, AI088017,
			15 to 1389, where both a and b	AI079611, AI357729, W94886, AA778027, AI420677,
			correspond to the positions of	AA662489, AA199802, AA199694, N99008, AA455466,
			nucleotide residues shown in SEQ ID	W48605, AA737911, N22398, AI097343, R69048,
			NO:1628, and where b is greater	AW079086, W81498, AA478769, AA602304, AA770587,
			than or equal to a + 14.	AA568808, AI983493, AA903872, AI718164,
				AA577394, AA658448, AA579036, AA814776,
				AI687665, AI275990, AI127693, AI040179, H06586,
				AI188614, AI383744, AI160662, T16066, AW162694,
				AI209061, AI948507, AA432116, AA429907,
				AI571660, AA577605, AI926880, AI949479,
				AI991410, AW002319, W79730, AI675994, AI659734,
				N75810, AA999862, AA417649, AA582611, AI400342,
				AA749354, AA923020, AI537750, AI579976,
				AA953148, AI915035, N69819, AA256988, AA419605,
				AA133662, AI433790, AA193288, AA773001, W21280,
				AI470356, AI207126, AA470409, AA806422, T94567,
				AA074998, AI432068, AA725585, AA757124, N75636,
				T07950, AW265105, T07544, AI611358, AI954778,
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				AI702267, AA482915, AI420160, AA482927,
				AA501348, T94257, AA641987, AA369109, AA482933,
				AI932950, R29196, D12095, AA343259, AA588441,

			T09050, AI239988, AI572155, T33940, AI917677.
			AA035065, AI915005, D57719, AA490946, AA635076,
			AA491134, AA659260, R15055, T59489, M78942,
			AW361295, AA534940, AW262956, AA629172,
			AA902888, AA736627, T09051, AA491132, AIS57731,
-			AC004081, AC007666, AC000052, AC004019,
-			AF055664, L08069, D13388, U53922, AA446079,
			AA429922
HHFUM32	876866	Preferably excluded from the	AAS25015, AI097213, AI186110, AI205864,
		present invention are one or more	AI460279, AA454512, AW003859, AI143331,
		polynucleotides comprising a	AI305240, AI337532, AI279156, AI333362,
		nucleotide sequence described by	AA770652, AA483013, AA846308, AI024319,
		the general formula of a-b, where a	AI380066, AI184498, AI204185, AI332737,
		is any integer between 1 to 607 of	AI025452, AA701068, AW298191, AA314391,
		SEQ ID NO:1629, b is an integer of	AA780879, AI204046, AA722950, AA903838,
		15 to 621, where both a and b	AI368078, AI073640, AA010086, AA911716,
		correspond to the positions of	AA948332, AI188877, N45102, AI094300, W52409,
		nucleotide residues shown in SEQ ID	AI311092, AA622052, AI302571, AI369905,
		NO:1629, and where b is greater	AI660241, AI138619, H48026, H41034, AI749308,
_		than or equal to a + 14.	N76689, AI354731, N31297, AI141562, AI347212,
			AI191310, AI092132, AA875920, AI346333,
			AI344362, AI186141, AI184174, N50933, AA854247,
			W32499, H93326, AA740175, AA765339, AA886065,
			AI718470, N54609, F32533, AA229525, AA604454,
			AA995306, R97891, AA854498, AA688403, H48027,
			AI312692, N46264, AI027037, AI192124, W77745,
			AA629102, AA975984, W05153, N45023, R68274,
			H57270, AI355659, AI192244, AA722963, N22908,
			AA046489, AA362565, W99330, AA075564, H18704,
			H18336, AA483751, AA024768, AI904485, R94597,
			AA887933, H41035, H23703, N84980, N69892,
			AA311757, H18805, F36632, R26083, AA046701,
			AI702033, H18369, AA327843, AA299086, F33066,
			R68309, W52410, AA877022, AA643367, AA079015,
			AA339134, AA641985, H26911, H57271, W99372,
			R96486, AA339947, W02163, AI220631, W05365,

				AA772749, H938 H28518, H23704	AA772749, H93830, F26046, H58286, R94598, H28518, H23704, AA083351, AA075559, AA296237,	86, R94598, 5559, AA296237,
				N46263, AA3527	N46263, AA352775, AA024767, F33965, AI557901,	3965, AI557901,
				F24493, AA2164	F24493, AA216428, F28514, AI750084, W72101,	10084, W72101,
_				N98865, AI3421	N98865, AI342158, R47744, AW265596, AA083549,	5596, AA083549,
				R50391, AA0834	R50391, AA083447, AA659764, AA302180, W31292,	1302180, W31292,
				AA041272, C005	AA041272, C00512, AA709422, F18524, AL080089,	.8524, AL080089,
				D13118, X69907	, X69904, X05218	D13118, X69907, X69904, X05218, D13123, L19737,
				M16453, T80797	, T81201, H27411	M16453, T80797, T81201, H27411, R97890, N41011,
				N52542, N78875	NS2542, N78879, N93425, N95193, W24594,), W24594,
				AA079016, AABE	AA079016, AA887623, AA216270	
1630	HHFAB62	876870	Preferably excluded from the	AA346386, AW30	AA346386, AW300186, AW364750,	AW364745,
			present invention are one or more	AW374001, AW36	AW374001, AW364749, AW373998, AL046035,	AL046035,
	•		polynucleotides comprising a	AW373994, AW36	4756, AW373996,	AW373994, AW364756, AW373996, AW373989, D79991
			nucleotide sequence described by			
			the general formula of a-b, where a			
			is any integer between 1 to 1144 of			
			SEQ ID NO:1630, b is an integer of			
	-		15 to 1158, where both a and b			
		-	correspond to the positions of			
			nucleotide residues shown in SEQ ID			
			NO:1630, and where b is greater			
			than or equal to a + 14.			
1631	HWLWJ70	876873	Preferably excluded from the	AA527360, AWO!	AA527360, AW051577, AA757918, AIS90246	AI590246,
			present invention are one or more	AA482382, AA4	.7897, AA834979,	AA482382, AA417897, AA834979, T33217, AI933007,
			polynucleotides comprising a	AA886393, AI24	AI242582, AA912932, AA552566	AA552566,
			nucleotide seguence described by	AA026889, H125	H12586, AA770351, AI122821, Z45211,	I122821, Z45211,
			the general formula of a-b, where a	AA810545, AA08	AA089741, AA026890, AW235276,	AW235276,
			is any integer between 1 to 665 of	AA442516, AI08	AI081311	
			SEQ ID NO:1631, b is an integer of			
			15 to 679, where both a and b			
			correspond to the positions of			
			nucleotide residues shown in SEQ ID			
			NO:1631, and where b is greater			
			than or equal to a + 14.			
1632	HCRPV85	876876	Preferably excluded from the	AI138310, AA5	AI138310, AA579608, AL080041, AA150112,	AA150112,

	present invention are one or more	A1914754, AA310336, AW139942, A1669978,
	polynucleotides comprising a	AA150453, N21199, AW337765, W60839, AA007492,
_	nucleotide sequence described by	AI245978, AW340469, H39087, AI857928, AW402945,
	the general formula of a-b, where a	AI857929, AA884547, AW044377, AA708593, H06461,
	is any integer between 1 to 4587 of	AI554400, AA806848, AA292984, AA281307, D53188,
	SEQ ID NO:1632, b is an integer of	
	15 to 4601, where both a and b	AA757126, AA815284, AW166409, AI362093,
	correspond to the positions of	AA258691, AW386068, AA614128, AI937918,
	nucleotide residues shown in SEQ ID	AI218676, AA429422, AI361580, AA156587,
	NO:1632, and where b is greater	
-	than or equal to a + 14.	AA007448, W69685, D52529, AA171394, AW367949,
		AA150166, W47135, AA428365, D53165, AI253039,
-		AA937690, AI752560, AA312520, AI039854,
		AI282901, AA884648, AI094728, AI201298,
		AI273365, AI346383, AI421258, AI310120,
		AI361451, AI285056, AA040411, AA789206, N88385,
		AI418521, AI973164, AA227133, N99005, AL038896,
		AW362878, AW403348, W24127, AL119637, AI016520,
		AA541481, AA309620, AA150397, AA306805,
		AI400189, AA284235, H51237, AA331743, AW023315,
		R67309, AA373361, AA156654, AA730527, D57421,
		AL045286, N92003, W69686, AA332449, AI368439,
		AA281258, AA040303, H63313, AA359717, AW362873,
		R74438, AA770542, H06565, AA363548, AI339537,
		AI023267, AA884006, D58110, AA922473, W60840,
		D58261, AI346133, AA722328, AW207758, AI753879,
		H06510, AA853720, AA332495, AA999738, AA331529,
		AW151651, D52528, AW391062, AA330258, Z45721,
		AA626164, AW390953, AA484242, AA382542,
		AW090257, D79754, AA227234, AA355615, D56466,
		AA313395, AA382088, AA169821, AI873035, R74343,
		AA354337, D53067, D53164, AW386086, AI749497,
		AW021983, H68127, AI149688, AA365933, H11545,
		R26679, R36441, AA705035, AI799252, AW403752,
		T30044, T85823, AA359673, R57470, R25867,
		242383, D53068, N71806, D53095, C03662,

				AA263144, AI056722,	AA111835, N21394, AA	D81554, TE	AA263144, AA111835, D81554, T83223, AA910604, AIO56722, N21394, AA354104, AW270594, AI571557,
				N63858, A	1503313, F2	3396, AI97	N63858, AA503313, F23396, AI973191, AI590666,
				AA290658,	R60888, AA	382087, A	AA290658, R60888, AA382087, AA677495, AA290659,
				AL037148,	X74262, X7	1810, U351	AL037148, X74262, X71810, U35141, AF097750,
				AE000658, U85195, A	U85195, AC	:005277, AJ	AE000658, U85195, AC005277, AA045875, AA398311,
1633	HCE3V58	876878	Preferably excluded from the	AW301835,	AW301835, AI308020, AI860966, AA134268,	AI860966,	AA134268,
			present invention are one or more	AA878213,	AA878213, AA694197, AA088689, AA133904,	AA088689,	AA133904,
			polynucleotides comprising a	AI285166,	AA133903,	AA302740,	AI285166, AA133903, AA302740, F26419, AA582580,
			nucleotide sequence described by	F35821, H90906	90606		
			the general formula of a-b, where a				h
			is any integer between 1 to 362 of				
			SEQ ID NO:1633, b is an integer of				
			15 to 376, where both a and b				
			correspond to the positions of				
		_	nucleotide residues shown in SEQ ID				
			NO:1633, and where b is greater				
			than or equal to a + 14.				
1634	HKGBE11	876882	Preferably excluded from the	AI524051,	AI524051, AW007724, AI609303, AI560001	AI609303,	AI560001,
			present invention are one or more	AI401617,	AI401617, AI936772, AI735659, AI249001,	AI735659,	
			polynucleotides comprising a	AW021551,	AW021551, AI247535, AA889466,	AA889466,	AI770052,
_			nucleotide sequence described by	AA856594,	AA856594, AI923848, AI393945,	AI393945,	AI963008,
			the general formula of a-b, where a	AW007900,	AW007900, AI802150, AW246695,	AW246695,	AI589917,
			is any integer between 1 to 3629 of	AI186661,	AI186661, AI680189, AW058621,	AW058621,	AW081918,
			SEQ ID NO:1634, b is an integer of	AW248728,	AI160059, AA128006, AA812522,	AA128006,	AA812522,
			15 to 3643, where both a and b	AI191795,	AI128436, AI274108, AA909840,	AI274108,	AA909840,
			correspond to the positions of	AA405642,		F015928, AJ	H99041, AI015928, AA931655, AI262534,
			nucleotide residues shown in SEQ ID	AW026999,		AI423370, AA453200, AA131241	AA131241,
			NO:1634, and where b is greater	AA579953,	AA579953, AA702093, AI026873, AI161187,	AI026873,	AI161187,
			than or equal to a + 14.	AA455704,	AA455317, AI373875,	AI373875,	AI359209,
				AW020484,		AI204219, AI475739, AI125919,	AI125919,
				AI306480,	AI306480, AI123115, AI075685,	AI075685,	AI183377,
				AI093279,	AI093279, AW137484, AA915929, AA745983,	AA915929,	AA745983,
				AW168028,	AW168028, AI191687, AI659743, AI346563,	AI659743,	AI346563,
				AI923367,	AI472034, AI370998, AW169284	AI370998,	AW169284,

	A1690264, A1356799, A1298090, AA847328,
	AL036355, AA398429, AA781758, AI248617,
	AA972778, AL120931, AA813433, AW364708,
	AI625940, AA975860, AI051123, H18709, AI624093,
	AW005429, N68529, AI299217, AI149399, AA988712,
	AI355692, AA886616, N90938, AW373562, AA687849,
	AI583218, AI566456, AI167133, H27061, AI355703,
	AA757226, AA781558, AI086933, AI097546,
	AI811692, AI375753, N91144, AI342620, AA126641,
	A1421652, AW131426, W32307, N33217, AA888625,
	W04345, AI348671, W17386, AA804381, AA305682,
	AW016631, AA291227, W68759, AI004166, AA427526,
	AA454983, AA479068, AI298478, AA732854,
-	AIO80704, W68454, AIO84772, AW084472, AA479223,
	N27564, AI184963, AA505251, AI022978, D53877,
	AA126497, D52932, AA8289885, AW193312, AI073734,
	AI245609, AA454161, AIS89126, AI690281, N92279,
	AA745905, AW057830, AA467899, AA938231,
-	AI187073, AA130568, AA610387, AA128029,
	AA761970, AI890992, AA847408, N47754, N41931,
-	AI750050, AA456530, AA971614, AF139790,
	AI435647, AA837736, AI017762, AA828994,
	AA618297, AA614659, AA788753, AA601557,
	AI682609, AA454984, AW168929, AA678000,
	AA708844, AA151101, AW152083, AA143003, W42712
	N66889, AI298694, W17235, AI348194, H97544,
	AA036731, AI902984, H18598, N89744, AI435894
	R69930, AA535636, D62527, AA514269, AI720059,
_	AI433476, AI248821, AI245176, AA403052,
	AI263846, AA150090, W17187, W16652, AA962557,
	AA031722, AA089961, AI287545, T75133, R75976,
	AA968981, AI245198, AI814870, AA894619, D54851,
	AA447055, AA701210, AA578436, AA150159,
	AA467843, D53769, N22090, D52639, T28569,
	AA889910, D56802, AI890986, C01613, H88627,

				AI267864, H46858, AI075972, AI242237, AI185100,
	_			AI272966, H39601, H88628, AA968979, W19238,
				AI784586, R07700, H03189, AA211540, AA131165,
			-	AC004520, M29065, M29064, AF073993, AF192348,
				D28877, U09123, L02954, L02955, U09122,
				AJ009300, U09121, A74625, A74773, AF169290,
	_			AF211856, R10578, R10579, R12625, R20526,
				R22887, R23576, R25216, R27302, R32649, R33333,
-				R33334, R52479, R20526, R66241, R69882, R76807,
				H03988, H04178, N34507, N40385, N74179, N74343,
				N75875, N93493, W00725, W02101, W04813, W04852,
				W05055, W17019, W20426, W24457, W25432, W42905,
				W81443, N90151, AA036938, AA167390, AA483158,
				AA632646, AA765452, AA808476, AA888709,
	_			AA935276, C02214, C04584, R29188, AA089571,
_				AA092059, AA211492, AA216333, Z20376, AA703571,
				AA844237, AA889282, AI032462, AI051314,
				AI084281, D20533, T24609, F01310, F12801, F11075
1635 HRA	HRAEG13 87	876886	Preferably excluded from the	AL079429, AL079428, AI962210, AW409971,
			present invention are one or more	AW409972, AW362305, AW410672, AI924517,
			polynucleotides comprising a	AA406225, AW025356, AA405914, AI951876,
			nucleotide sequence described by	AW410671, AI523918, AI890911, AI923197,
			the general formula of a-b, where a	AW206660, AI569743, N94878, N99556, AW301065,
	-		is any integer between 1 to 4037 of	AA405354, AI936512, AW206646, AI872449,
			SEQ ID NO:1635, b is an integer of	AW193338, N63552, AI207878, H29821, AA405693,
-			15 to 4051, where both a and b	AI184142, AI287700, AI039152, AA764984,
	-		correspond to the positions of	AI347352, AW387060, AW386988, AW387093,
			nucleotide residues shown in SEQ ID	AI081389, AA350220, AI148131, AA783037,
			NO:1635, and where b is greater	AI243796, AI277386, AW387033, H69679, AA985309,
			than or equal to a + 14.	AI635584, AI372628, AI372627, AA405353,
				AW408699, AA777168, AA350036, R56710, AW207334,
				N40073, AA781626, F11487, AA654125, R94204,
				R56864, R55500, T66335, H92624, AA350276,
				R81346, AL121276, AA350037, F09706, AI298408,
				AI873379, R51360, T87412, M78454, AI287710,
				F12065, H50110, AA351242, N22306, F09146,

AA234154, N26102, N55429, AL120770, AW387043, AA405389, H50154, H43762, AW387110, H72992, AA227365, R79738, R79737, H44600, H70995, R50621, AI184049, R45951, H29990, T66284, AA744978, N71548, H72991, AA568705, AA33685, AI739624, R55499, AW007986, T83200, A1863755, R50454, R50527, T36310, R50455, T85587, T77076, AA93636, H43432, AA464011, T87308, T770160, T78532, AA31396, AW268156, T85586, H414311, F26601, N49316, AR32126, A1372626, AW776436, N54476, R81601, R51465, R94300, AW367002, AA324819, N76802, AW073570, AI654772, AI473579, AA555277, AW102939, T77381, AA548001, AI985527, N76587, R3806, H92406, AW366992, AA302603, AW352950, AF128625, AR021936	from the AA946784, AW375919, AA527581, AA904758, AA209387, AA563949, AI832339, AA740268, AA209387, AA563949, AI832339, AA740268, AA520628, AA52505, AA468774, AA725505, AW376020, AA45552, AA468774, AA725505, AW376020, AA453342, AW160477, AA937588, AA862503, AM376787 of a bit to 1228 of AA453342, AW160477, AA937588, AA862503, AM376787 of AM376787, AA586488, AW376470, AA586488, AW376470, AA500152, AW376476, AA677897, AM50030, AM376476, AA677897, AM50030, AM376470, AM700477, AA39787, AA39787, AA39787, AA39787, AA39672, AG10643, AA39672, AG106477, AA39672, AA39673, AA345672, AA39673, AA376752, AA39673, AA376752, AA39673, AA376752, AA39673, AA39672, AA39673, AA376792, AA39673, AA376792, AA39673, AA376792, AA39672, AA39673, AA39672, AA39673, AA376792, AA39673, AA376792, AA39672, AA39673, AA376792, AA39672, AA39673, AA376792, AA39672, AA39672, AA39673, AA376792, AA376792, AA39673, AA376792, AA39673, AA376792, AA39673
	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1228 of SEQ ID NO:1636, b is an integer of 15 to 1242, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1636, and where b is greater than or equal to a + 14.
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				AW376653, AA362098, D54438, AI905702, AA300134,
				AA747175, F09672, AA384504, AA233381, AI870184,
				T79091, AA367166, T84398, AA451673, H25082,
				R45919, S75311, AR037563, L33930, D87667,
				X69397, Y14692
1637	HTPFB46	876890	Preferably excluded from the	AI718712, AW444886, AI983059, AL135147,
			present invention are one or more	AI085966, W07327, AI492267, AI360984, AA564235,
			polynucleotides comprising a	AA573268, AA406085, AI678761, AA577144,
			nucleotide sequence described by	AI091819, AA297803, AI289839, AA037033,
			the general formula of a-b, where a	AA804950, AA533437, AI242554, AI223449,
			is any integer between 1 to 2110 of	AA410390, AA644395, AI216720, AW005660, R77919,
	_		SEQ ID NO:1637, b is an integer of	AA878891, AI468125, N51728, R32385, N25411,
			15 to 2124, where both a and b	AA256925, AI811527, AI142611, AA954723,
			correspond to the positions of	AA256501, AA317506, W52143, AA421853, AI623878,
			nucleotide residues shown in SEQ ID	AA932178, R78020, AI089059, R32384, AI242914,
			NO:1637, and where b is greater	T81104, F34121, AI468126, F25882, N75820,
			than or equal to a + 14.	AI335792, F35752, F18999, AI984724, AW305237,
				AI345730, AW268284, AW166690, AI349242,
		_		AW086410, AW272065, AI310836, AI345115,
				AI223675, AI308339, AI312490, AI252159,
				AI252373, AI349681, AI252335, AI250483,
				AI252345, AI583501, AI583500, AW302935,
				AI583889, AW303168, AI348995, AI349742,
				AI309420, AW269095, AI336494, AI335439,
				AI349287, AI306795, AW274358, AI349945,
				AI252286, A58884, L40823, U06846, AR051950,
				L40817, L44140, X87196, X74606, X90393
1638	HDPSS23	876892	Preferably excluded from the	AI129800, AW027959, AI927949, H92980, AI650270,
			present invention are one or more	AI708393, AL138076, AA524072, AI831594,
_			polynucleotides comprising a	AA749139, AI926721, AI399955, AI302816,
			nucleotide sequence described by	AA262795, AI862160, AI093249, AA828301,
			the general formula of a-b, where a	AI625105, AA904444, AA772552, AI816834,
			is any integer between 1 to 1421 of	AI084565, AA314418, N30447, AI242763, AI810709,
			SEQ ID NO:1638, b is an integer of	AI653617, AI129801, AA443839, AI289975,
			15 to 1435, where both a and b	AA281653, N25206, AI758575, AA026905, AA737455,

	correspond to the positions of	A1474418, A1619613, AA039864, AW000990,
_	nucleotide residues shown in SEQ ID	AA039860, AA291708, H86861, AI032004, AA452814,
_	NO:1638, and where b is greater	AW084297, R97735, AI640264, AA336497, AW080103,
_	than or equal to a + 14.	AA026904, AI052445, H73499, N54837, R92739,
	•	H73311, AA040230, AI311105, C21440, AA338774,
		H94209, N69415, N91446, R76435, AW029069,
		R96804, AA281785, AA680378, T18545, AA338773,
		T10789, AA610255, AA568204, AA570740, AA483606,
		T47138, AW151018, AI355246, AI445373, AI915081,
		AA219349, AA664126, AA582746, AW275432,
		AASS8404, AA837771, AA214453, AA857812, T94394,
· ·		AA482792, AI249688, AI567391, AA630854,
		AA683069, R67701, AA515939, AA425924, R77139,
		AI298079, R79929, F35097, AI634377, AI791659,
-		AW104163, AI671077, AL048060, AA809186,
	•	AA831408, F35684, AW084967, AA523695, AI962030,
•		AA846923, AA533040, F24745, AI889579, AA102737,
	_	AI185394, AA491767, N51636, AI538236, AA558366,
_		AI880761, AI735092, AA376358, AW272815, F23338,
-		F31066, F37059, AA612578, AA668587, R79255,
		AA196552, R93919, AW075729, AI433131, T71936,
		AW419389, AA632556, AI634187, AA302978,
_		AI457313, AI620992, AI358542, AA769141,
		AA342238, AA583386, AI312090, AI049630, U91323,
		AC004686, AL080245, AL035587, AC002073, Z81357,
		AP000250, AC004232, AC004079, AC006344,
		AC005740, AF067844, AC005011, AC006077,
		AC000064, AP000133, AP000211, AC004859,
		AC006333, AC007179, AC000025, AL049776,

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		, 2000412
		AC005225, Z84488, AL020995, AL031186,
	AC002381, AC005057, AC005231, AF045555	, AF045555,
	AP000300, D88270, AC004485, AC005207, U91326,	AC005207, U91326,
	AC007917, AC000003, AC002544	AC000003, AC002544, AC004816, U03115,
	AC004253, AL035249, AL078593	AL035249, AL078593, AL049869, I34294,
	AC006530, AC005668, AF128525, AC005695,	, AC005695,
	AL034417,	AC005291, AL031005,
	AC005184, AC005072, AL023879	AL023879, AP000689,
	AC004551,	Z83838, AL031295, AC003029,
-	AL035458, AC003690, AC003957	AC003957, AF030876,
	AC004655, AC007425, AC004964	AC004964, AL022721,
	AL096791, AP000547, AL022318	AL022318, AP000255, Z82976,
	AL049576, AF196972, AC005924,	, Z99716, AC002395,
	AC004383, AC004881, AC002288,	, AC004522,
	AC004828, AF031078, AP001039,	, AL031311,
	AC005015, AL023807, AL049553,	, U62293, AP000502,
	AC005081, AC007055, AC007537,	, AC007738,
	AC002350, AC002504, AL135879, AL121790	, AL121790,
		, AL031230,
		, AC002072,
		U66060, AP000213, AP000345, AC007227,
	AC007075, AL031587, AF184110, AC005409,	, AC005409,
		AL080243, U91319, AC006960, AL034420,
	AP000135, AL121652, AC005480, AC006571,	, AC006571,
		, AC005726,
		, AC005180,
		, AC004129,
	AC007563, AP000031, Y10196,	AP000031, Y10196, AC005609, AC002418,
	AC007637, U51244, AC004815, AF001548,	AF001548, AC005696,
	AL135744, Z83847, Z68324, AC004878, AL049729,	004878, AL049729,
	AL034400, AC005632, AC008012, AC004491,	, AC004491,
	AL031297,	, AL031293,
	AL133163,	Z97183, AC003692, AC007057,
	AC006961,	AL135959, AL035455,
	AC000111, AC004896, AC008975,	, Z97056, L44140,

				AL078644, Z94802, AF064861, AC006121, Z98051,
				AL049610, AF102137, AL008582, AP000555,
				AC009247, AL049843, AC007899, AC004974,
				AC007172, AC006120, AC008149, AC004780,
				AP000355, AL049643, U78027, AC006276, AL035450,
				AC005089, Z93784, AC005399, AC006430, AC007114,
				AC002550, AC004587, AL022316, AA261881
1639	HCEIC29	876901	Preferably excluded from the	AA099268, AI676066, AA872993, AI916603,
			present invention are one or more	AI686512, AI862396, AW134699, AI768494,
			polynucleotides comprising a	AI656235, AI760422, AW340874, AI760767,
			nucleotide sequence described by	AA456537, AI950211, AI365227, AA455250,
			the general formula of a-b, where a	AW019939, AI560709, AI521183, AW269381,
			is any integer between 1 to 1617 of	AI343443, AW242591, AI862402, AW182833,
			SEQ ID NO:1639, b is an integer of	AA906566, AI825167, AA910881, AI355516, T62487,
			15 to 1631, where both a and b	T62632, H22865, AI470602, H24258, AI910667,
			correspond to the positions of	T10397, AA319888, AA084251, AA465631, AA084250,
			nucleotide residues shown in SEQ ID	T48979, R22512, R22511, R62215, R70206, R74308,
			NO:1639, and where b is greater	H02508, R85869, R92578, R94703, R94783, R99284,
			than or equal to a + 14.	H53551, H53550, H57860, H66191, H66190, H68304,
				H68303, H68633, H68632, H73905, H74097, N29973,
				N58152, N59546, N78287, N93155, W03816, W39117,
				W39754, W45221, W72425, W76578, N90187,
				AA010750, AA011178, AA035374, AA035090,
				AA044020, AA044195, AA099403, AA099464,
				AA131818, AA132001, AA181697, AA255734,
				AA279493, AA459458, AA465677, AA513468,
				AA610670, AA661647, AA807978, AA931089,
				AA932324, AA938458, AA947789, AA216163,
				AA477227, AA477226, AA709315, AA716569,
				AA774617, AI024245, AI024575, D25921, T16050,
				Z42876, F02340, AA699770, AI264621, AI268001,
				AI270489, AI432949, AI419091, AI475199,
				AI129103, AI139707, AI200420, AI205134
1640	HE90Y91	876903	Preferably excluded from the	AA629925, AIS57066, H72652
			present invention are one or more	
			polynucleotides comprising a	

			nucleotide sequence described by				Г
			the general formula of a-b, where a				
			is any integer between 1 to 839 of				
			SEQ ID NO:1640, b is an integer of				
			15 to 853, where both a and b				
		•	correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1640, and where b is greater				_
			than or equal to a + 14.				
1641	HFKFN66	876904	Preferably excluded from the	AL031433			Γ
			present invention are one or more				
			polynucleotides comprising a				_
			nucleotide sequence described by				_
			the general formula of a-b, where a				
			is any integer between 1 to 674 of				
			SEQ ID NO:1641, b is an integer of				
			15 to 688, where both a and b				_
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1641, and where b is greater				
			than or equal to a + 14.				_
1642	HWMF016	876905	Preferably excluded from the	AA775776,	AA775776, AI041206, AI884423,	423, AA608631.	Τ
	,		present invention are one or more	AA307942,	AA307942, AA602534, AA477709, AA604331,	709, AA604331,	
			polynucleotides comprising a	AA610041,	AA610041, AA237053, AI874354, AI922651,	354, AI922651,	
			nucleotide sequence described by	AA455372,	AA455372, AA478920, AI861817, AI174744,	817, AI174744,	
			the general formula of a-b, where a	AA639758,	AA639758, AI803985, AA307739, AI217011,	739, AI217011,	
			is any integer between 1 to 1902 of	AA242978,	AI420956, AI082	AA242978, AI420956, AI082010, AA290814, N35525,	
			SEQ ID NO:1642, b is an integer of	AA397578,	W04164, AI74045	W04164, AI740453, H18746, AA457124,	_
			15 to 1916, where both a and b	AI369854,	AW402584, AA250883, AI362747,	883, AI362747,	
			correspond to the positions of	AW401485,	N63084, AI82609	N63084, AI826090, AA969826, AA418085,	
			nucleotide residues shown in SEQ ID	AI301135,	N42604, N32932,	N42604, N32932, AA464471, N44904,	.
			NO:1642, and where b is greater	AI206819,	AA206545, AI264316, AA205363,	316, AA205363,	
			than or equal to a + 14.	AA627399,	AA908393, AA206909, AA399551	909, AA399551,	
				AA386030,	AA205036, W0773	AA386030, AA205036, W07733, AA151195, AA292402,	
				AA723847,	AA723847, AA151196, R68884, AI217962,	4, AI217962, N62289,	
				R60986, A	1019523, AI30761	R60986, AA019523, AI307617, AA535112, H18659,	_

			AA782617 AW	AA782617 AW401677 AT923522 AA148955
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_			NA COOCOCK	N/OTCO, N/0439, AMICSOUS, N/1360,
			AI695617, AW3	AW383687, AA383122, T96825, AW383681,
			AA477710, AW1	AW188902, AA148954, AW383686, T36291,
			AI826948, AI7	AI755216, AA628518, AI249697,
			AA236854, AI(AA236854, AI064883, AA977383, T35725, AA761981,
			AA478800, AA	AA478800, AA588591, AW275155, AA206781,
			AA610557, AA	AA610557, AA765404, AA299218, AI274603,
			AA484614, AA	AA484614, AA252156, AA394239, N89897, AA418016,
			AI289322, N3	AI289322, N35239, T96813, T98004, Z39105,
			AI347692, AA	AI347692, AA401922, R68786, AI421701, AA300711,
	-,		AI984054, AI	AI984054, AI307367, AI869880, AW003896,
			AI357580, AI	AI357580, AI097540, H78257, AA773528, AI933853,
			N26474, W194	N26474, W19451, T96826, AA937255, AA494127,
			AA456012, AA	AA456012, AA622190, AA531018, AW264334,
			AA296375, AW.	AA296375, AW340846, R39778, AW368305, T98082,
			AW406763, AW	AW406763, AW389979, T32639, AW389990, AA773673,
			AA304962, AA	AA304962, AA233500, AW383537, R58298, C15957,
			N78713, AA01	N78713, AA019294, D78788, AW389995, AA402093,
			D31588, AW36	D31588, AW366573, AA095078, N87188, N86592,
			N88113, N883;	N88113, N88337, N85682, AF078859, AF078868,
			AL021878, AF	AF090946, U21721, AJ243486
1643 HCRBB01	606928	Preferably excluded from the	AI345975, AI	AI345975, AI041822, AI354345, AA845341,
		present invention are one or more	AI471536, AA	AI471536, AA582006, AI264230, AI133028,
_		polynucleotides comprising a	AI922898, AI	AI922898, AI826795, AW272874, AI889042,
		nucleotide sequence described by	AI749224, AA	AI749224, AA307941, AW275172, AI926872,
		the general formula of a-b, where a	AA482539, AI	AA482539, AI680141, AI734884, AA524591,
		is any integer between 1 to 1330 of	AW274596, AI	AW274596, AI336326, AW169351, AI885643,
		SEQ ID NO:1643, b is an integer of	AW269482, AI	AW269482, AI749219, AI026046, AI143001,
		15 to 1344, where both a and b	AI689406, AI	AI689406, AI591185, AW361012, AA602933,
		correspond to the positions of	AI922602, W6	AI922602, W60954, AI735165, AW377897, AI566471,
		nucleotide residues shown in SEQ ID	AI275792, AI	AI275792, AI814420, AA948377, AI683757,
_		NO:1643, and where b is greater	AA862488, AI	AA862488, AI139188, AI288260, AI277724,
		than or equal to a + 14.	AI653978, AI	AI653978, AI890155, AI934802, AI911644,
			AI890535, AA	AI890535, AA228045, AW148951, AI889786,

	1	AIB04207, A	AI274877,	AI274877, AI654469, AA987320	AA987320,	
	7	AW243847, AA555069, AA860461, AI689372	ASS5069,	AA860461,	AI689372,	
	7		AI937827,	AI003581,	AI831369,	
	1		AI871203,	AI281294,	AA855149,	
	7		AW377974,	AI084421,	AI092091,	
	~		AA505597,	AI336527,	AASS4687,	
	2	AI167764, A	W088401,	AW088401, AW104699,	AI150063,	
•			AI798382,	AI798382, AW083700,	AI038771,	
	•		AA928652,	AI031884,	AAB26396,	
		AA492267, 1	AI625287,	AI022580,	AW270586,	
			AI026083,	AA508597, AI080205,	AI080205,	
		AI262884, 1	AI073697,	AI073697, AI354660, AA226127,		W78208,
	7	AA640721, 1	AW149240,	AW149240, AA228005, AA759055,	AA759055,	
			AW150128,	AW150128, AA908342, AA554425	AASS4425,	-
	7	AI276333, V	V74125, A	1034485, AP	W74125, AA034485, AA635275, AA639307,	39307,
		AA412053, 1	AA742571,	AA742571, AA303334, AW166455	AW166455,	
		AA903876, 1	AA173331,	AA640905,	AI963101,	
		AA602023, 3	AA378134,	AW079690,	AI934122,	
	-	AA527819, 1	AW368030,	AW081647,	AA531295,	
		AA922080, 1	AI050907,	AI050907, AI873602,	AA173437,	
		AI273804, 1	AI589932,	AI589932, AI918522,	AA916057,	
_		AA826837, 1	AA235239,	AW089108,	AI922253,	
			AI885463,	AI885463, AA216394,	AA508227,	
	_		AI572298,	AI572298, AA382418,	AA341151,	
			AI281853,	AI281853, AI886217,	AI535908,	
			AA837555,	AA837555, AI933527, AA299593,	AA299593,	
			AA654205,	AA654205, AI633050, AIS53701,	AI553701,	
			AA426414,	AA426414, AA366375, AA173738	AA173738,	
			183429, AJ	1215892, AJ	T83429, AA215892, AA385436, W20026,	1026,
		AI684322, 1	AW367106,	AW377982,	AW367106, AW377982, AA146684, T05849,	05849,
			N90536, W	32260, N934	N90536, W32260, N93484, AA173705,	15,
			AA650299,	D56517, T	AA650299, D56517, T27681, AA552197,	197,
		AA225725,	AA235238,	AA235238, AI952204, AI720878,	AI720878,	
		AW176624, AW367125, AA146683, AI161032,	AW367125,	AA146683,	AI161032,	
			н88875, Н	38876, AAS	H88875, H88876, AA523823, AA302252,	1252,
		AA301829, 1	W21502, W7	70311, AA3	W21502, W70311, AA311804, AA729966,	19966

				AI273789, AA096200, AW377515, AA729962, D20952.
				AI811103, T84076, X60111, AR016441, I13744,
				M38690, D10726, AC006057, L35275, M81720,
				L08115, D30786, AR016440, E05732, X76489,
				LOB122, LOB123, LOB124, LOB121, S60489, S60462
1644	HSAAN15	876912	Preferably excluded from the	AW295760, AA643028, AI858075, W22593, AI682269,
			present invention are one or more	AI819607, AA910344, AA573333, AW406408,
			polynucleotides comprising a	AI741854, AI088151, AA481497, AW021995,
			nucleotide sequence described by	AA687410, AA826812, H63145, H08408, W07228,
			the general formula of a-b, where a	AA765739, AA521057, R53520, AA362594, AI584029,
			is any integer between 1 to 1095 of	AA689386, AA732248, AA970100, AI004471, R44238,
			SEQ ID NO:1644, b is an integer of	AI811208, R53519, AA373512, R49374, H17459,
			15 to 1109, where both a and b	R44200, AA481183, AW207413, AI075435, N66439,
			correspond to the positions of	AB029003
			nucleotide residues shown in SEQ ID	
			NO:1644, and where b is greater	
			than or equal to a + 14.	
1645	HTEKS27	876913	Preferably excluded from the	AA758002, AI657156, AI375103, AW021134,
			present invention are one or more	AW150836, AI684065, AA678409, AI694321, R17458,
			polynucleotides comprising a	N62359, AI655208, AI702778, AI701838, AW043913,
			nucleotide sequence described by	AA782285, R54239, AA436083, R59807, AI205974,
			the general formula of a-b, where a	N79126, AA112078, R35463, L13827, L13824,
			is any integer between 1 to 2159 of	L13825, R59697, R51845, AI479241, R39382,
	_		SEQ ID NO:1645, b is an integer of	AA083911, AI635429, L13826, R38307, AW393336,
			15 to 2173, where both a and b	R13143, A61243, L23208, AR051320, AR051322,
_			correspond to the positions of	L30110, L23311, AR051321, L30109, A61247
			nucleotide residues shown in SEQ ID	
_			NO:1645, and where b is greater	
			than or equal to a + 14.	
1646	HWMBAI	876920	Preferably excluded from the	AI749171, AI660550, AA677676, AA464420,
	0		present invention are one or more	AA284905, AA718994, AI141193, AA481894,
			polynucleotides comprising a	AI078424, AA481977, AA703408, AI276556,
			nucleotide sequence described by	AI017050, AA502348, AA936362, AA936704,
_			the general formula of a-b, where a	AW131471, F36806, AW273475, AI261777, AI218960,
			is any integer between 1 to 1380 of	AI218966, AI744229, AI248232, AA452839,

			SEO ID NO:1646, b is an integer of	AT277984	AT277984 AA053718 AT150864 AT140517	AT150864	AT140517
			15 to 1394. where both a and b	AI129769.	AI129769, AI160406, AW152129, AW000750.	AW152129.	AW000750.
		_	correspond to the positions of	AI248566,	AI248566, AI805790, AI826304, AI086599,	AI826304,	AI086599,
			nucleotide residues shown in SEQ ID	AA020812,	AA020812, AA018986, AA054250, AA019875,	AA054250,	AA019875,
			NO:1646, and where b is greater	AW242786,	AI903707,	F22534, AI	AW242786, AI903707, F22534, AI240050, T41072,
			than or equal to a + 14.	W96529, A	V069782, W6	8326, AA05	W96529, AW069782, W68326, AA053858, H37782,
				AA055112,	H83990, AI	765563, F3	AA055112, H83990, AI765563, F31495, AA020811,
		_		AI244397,	H37923, AA	013192, TS	AI244397, H37923, AA013192, T51835, R50369,
		_		AW339481,	AI903705,	AW194148,	AW339481, AI903705, AW194148, AA019902, W68142,
		_		AW298469,	AW298469, AW003689, AI860462, AA019913,	AI860462,	AA019913,
		_		AW139654,	AA383551,	AA384419,	AW139654, AA383551, AA384419, AA883222, H41086,
				AI420423,	AA021054,	HB6062, AI	AI420423, AA021054, H86062, AI735754, R80952,
				W92479, A	4535061, F3	1376, T402	W92479, AA535061, F31376, T40204, C04332,
				AA019941,	AA019941, AA464476, AW050973, AI560455,	AW050973,	AIS60455,
				AI470969,	T51881, AI	.695746, AP	AI470969, T51881, AI695746, AA284774, AA855078,
				AA013427,	H38276, WS	2489, AA41	AA013427, H38276, W92489, AA412431, AA844626,
				AW074589,	AA919166,	H86397, AA	AW074589, AA919166, H86397, AA906632, F36956,
				AA018714,	AA021006,	AA457128,	AA018714, AA021006, AA457128, W68469, H83989,
				AA015696,	AA015696, AW050422, AA402869, AA015660,	AA402869,	AA015660,
				AA464421,	AA454730,	AA015659,	AA464421, AA454730, AA015659, AA454780, T28267,
				AA018985,	AA018750, AC006449	AC006449	
1647	нсовоѕ8	876921	Preferably excluded from the	AI803478,	AI803478, AA578800, AI760557, AA569728,	AI760557,	AA569728,
			present invention are one or more	AI803206,	AI803206, AI199737, AIS24625, AA825640,	AIS24625,	AA825640,
			polynucleotides comprising a	AA937979,	AI436327,	H83996, AA	AA937979, AI436327, H83996, AA879427, AW205011,
		_	nucleotide sequence described by	AI284171, AA262130	AA262130		
			the general formula of a-b, where a				
			is any integer between 1 to 711 of				
			SEQ ID NO:1647, b is an integer of				
			15 to 725, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1647, and where b is greater				
			than or equal to a + 14.		i		
1648	HWLGQ64	876923	Preferably excluded from the	AI743526,	AI743526, AA535976, AA534299, AI245191,	AA534299,	AI245191,
			present invention are one or more	AA917952,	AA917952, AI360198, AA189088, AI476640,	AA189088,	AI476640,
			polynucleotides comprising a	AI750101,	AI750101, AI151214, AI219288, AI189990,	AI219288,	AI189990,

			nucleotide sequence described by	AI127112, AI582665, AI050781, R80366, AA706856,
		-	the general formula of a-b, where a is any integer between 1 to 1579 of	AIS81641, AA693998, H01950, AW016083, AW292149, AA915966, AI219588, R07874, R68737, AA531303,
•			SEQ ID NO:1648, b is an integer of	AI192934, AI149588, H02159, R78817, T52702,
			15 to 1593, where both a and b	R73741, H45133, R69845, AI832515, R21520,
			correspond to the positions of	R78816, T46918, R68019, AW025113, R68683,
			nucleotide residues shown in SEQ ID	H45436, R80252, R35081, R69003, T52701,
			NO:1648, and where b is greater	AA724770, R80206, AI521622, AW272700, R12585,
			than or equal to a + 14.	R80309, R79313, H04450, R78008, AI222696,
				R79314, R69002, R07933, R69844, R21622, R23749,
				AA873780, W95082, R35080, T46932, R70944,
				AW029093, R68018, AI619788, AI582092, T49292,
	_			R09945, T46933, AI337719, AA233721, R23802,
	_			AA378781, AA917397, AA923057, T49293, AW361573,
				AI241836, AI261408, U26726, U14631, AF126744,
_		_		AF126745, U23835, U14128, AF074706, U22424,
				U27318. S83516. S80133. U27317. S83532
1649	HCQCV14	876926	Preferably excluded from the	AP000529, AP000528
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 558 of	
			SEQ ID NO:1649, b is an integer of	
			15 to 572, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1649, and where b is greater	-
			than or equal to a + 14.	
1650	HCROOS9	876934	Preferably excluded from the	AA376902
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 391 of	
			SEQ ID NO:1650, b is an integer of	

		_	15 to 405, where both a and b					
			correspond to the positions of					•
			nucleotide residues shown in SEQ ID					
			NO:1650, and where b is greater					
			than or equal to a + 14.					
1651	HCRPN27	986948	Preferably excluded from the	AA457220,	AA457220, AA354909, AA040828, AI688798	AA040828,	AI688798	
			present invention are one or more					
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 981 of					
			SEQ ID NO:1651, b is an integer of					
			15 to 995, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					-
			NO.1651 and where h is greater					
			More to the second seco					
			than or equal to a + 14.					
1652	HCRON34	876938	Preferably excluded from the	AI634562,		AA129701, AA129323, AA129745,	AA129745,	
			present invention are one or more	AI269483,	AI269483, AI952719, AI656261, AI239764,	AI656261,	AI239764,	
_			polynucleotides comprising a	AI678885,	AI873730,	N48153, A	AI678885, AI873730, N48153, AA904475, AA653518,	518.
			nucleotide sequence described by	AI538894	R43961, A	1287295. W	AI538894, R43961, AI287295, W68609, AI114476	
			the general formula of a-b, where a	AA973355	AA973355 AT866872 AA133249 AT681502	AA133249	AT681503	;
			in the state of th		0000		100000	
			Is any integer between 1 to 622 or	AA133272,	ALESOZOS,	AWZ/1391,	AA133272, A1690203, AMZ/1391, D29021, A1186074,	, 4, 0
			SEQ ID NO:1652, b is an integer of	AA757303,	AA742226,	AA737777,	AA757303, AA742226, AA73777, D29578, AI825401,	401,
			15 to 636, where both a and b	AI934240,	AA587412,	AW051055,	AI934240, AA587412, AW051055, AW020046, W68807,	1807,
			correspond to the positions of	D83781				
			nucleotide residues shown in SEQ ID					
			NO:1652, and where b is greater					
_			than or equal to a + 14.					
1653	HFKFH50	876940	Preferably excluded from the	AA927698,	AA927698, AI300925, AW009795, AA402380,	AW009795,	AA402380,	
_			present invention are one or more	AI830852,	AA430318,	AI493302,	AI493302, AI142868,	
			polynucleotides comprising a	AI037989,	AI423267,		W52884, AA907276, AI333045,	1045,
			nucleotide sequence described by	AA628712,			AA987992,	
			the general formula of a-b, where a	AA578507,		AI298580, AA639466, AA402235,	AA402235,	
			is any integer between 1 to 1241 of	AI052201,	AI073629,	AA458463,	AI052201, AI073629, AA458463, AA564499, N78968,	3968
			SEQ ID NO:1653, b is an integer of	AA534799,	AA534799, AW083734, AA442975, AI074925,	AA442975,	AI074925,	

			15 to 1255, where both a and b correspond to the positions of	AA402157, R83528, AA401316, AA676435, D51268
			nucleotide residues shown in SEQ ID	AA359764, H27189, C01185, AA402234, H27190,
			NO:1653, and where b is greater	R37964, W39595, T27801, D55114, R45640,
			than or equal to a + 14.	AA146682, AA485712, AI971664, D52799, AA347823,
				AA485845, AI079236, AW445076, AW444515,
				AA031677, AA031678, W17355, AA146681, AI739376,
				AA053511, AA343828, AA035266, AI648529,
	-			AI867052, AC004634, AR042382, L17032, L36027,
				L05489, M93012, X89728, Y15731, AR042385,
		_		X67295, L17029, L17030
1654	HCRQG66	876941	Preferably excluded from the	AW392670, AA581171, Z99396, U46347, AW384394,
			present invention are one or more	AW363220, AL119484, AL043003, AL119443,
			polynucleotides comprising a	AL119497, AL119444, AW372827, AL119457,
			nucleotide sequence described by	AL119319, AL119324, AL119439, AL119483,
			the general formula of a-b, where a	AL119391, AL119522, U46351, AL119363, AL119355,
			is any integer between 1 to 504 of	AL119335, AL119418, U46341, AL036418, AL038837,
			SEQ ID NO:1654, b is an integer of	AL119396, AL119341, U46350, AL134132, U46349,
			15 to 518, where both a and b	AL037051, AL043147, AL036725, AA631969,
			correspond to the positions of	AL119496, AL134530, AL134519, AL037205,
			nucleotide residues shown in SEQ ID	AL036924,
			NO:1654, and where b is greater	AL134527, AL134528, U46346, AL039074, AL042614,
			than or equal to a + 14.	AL134533, AL119399, AL042984, AL042965,
				AL042975, AL042542, AL042551, AL134538, U46345,
				AL042544, AL042989, AL043019, AL134542,
				AL037094, AL038509, AL043029, AL036196,
				AL042450, AL037085, AL037082, AL037077,
				AL037526, AL036767, AL037639, AL036190,
				AL119464, AL038520, AL036268, AL036998,
				AL036733, AL037027, AL037615, AL036191,
				AR066494, AR060234, A81671, AR023813, AR064707,
				AB026436, AR054110, AR069079
1655	HCROW80	876942	Preferably excluded from the	AA330056, AA236014, Z98049, AF149770, AC004801
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	

			the general formula of a-b, where a	
			is any integer between 1 to 779 of	
			SEQ ID NO:1655, b is an integer of	
_			15 to 793, where both a and b	
	•		correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1655, and where b is greater	
			than or equal to a + 14.	
1656	HLQER45	876943	Preferably excluded from the	AI626059, AI626106, AA826765, AI040137,
			present invention are one or more	AA643166, AA700884, AA548726, AW361733,
			polynucleotides comprising a	AI424257, AI860448, AA580441, AI985034,
			nucleotide sequence described by	AI720331, AI720332, AI459935, AW383179,
			the general formula of a-b, where a	AA308449, AW383230, AW383291, AI304515,
_			is any integer between 1 to 1048 of	AW383110, AW383173, AI084026, AI801735,
			SEQ ID NO:1656, b is an integer of	
			15 to 1062, where both a and b	AW383292, AI829153, AW383143, AW016001,
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	AI475415, AA834407, AI247812, AI282992,
			NO:1656, and where b is greater	AW376286, AW392915, AA502781, AA053766,
			than or equal to a + 14.	AA973594, AW238610, AI860189, AW084925,
				AA344804, AW363161, AA129138, AW004060,
				AW363048, AA053663, AI638684, AW024090,
				AI694258, AA159581, AA345424, AW363163, T72477,
				AA933684, AA553869, T72849, AA513679, AW352403,
				AW365132, AW379947, AW363141, AA135289, T70578,
_				AW363162, AW084865, AI680270, X53463, X68314,
				X91863, X91864, E02175, U62658, D16913,
•				AF099176, AL080126, L24896, AL137292, M30514,
				AF161699, Y10823, L13297, AL110224, A07588,
				AR068751, AL117416, AR038969, I17767, X54971,
_				E02914, Y10655, AF061795, AF151685, AL050092,
				AL137665, AL110280, S63521, AL137548, I89947,
				I48978, A08913, U57352, I89931, AL080127,
-				S7771, A08912, A08910, A08911, I49625, A08909,
				AF090943, AF026030, I03321, A03736, AR038854,
				A18777, A08907, A08908, AL137461, AF017152,

				A07647, U62966, S76508, I89934, U00763, I09360,
				A90832, AF016271, AL137267, AL050280, AF159148,
				AF061943, AF008439, I18355, I34392, AL080162,
				AL137550, AB007812, AJ001838, AF117959, X76228,
				AF118064, AL050024, X70685, AF118090, AF141289,
				AL117583, U87620, U49434, AL137658, AL133568,
				AL117435, AL049464, AF017437, AR054987, E08631,
				AL049452, X63410, S75997, S36676, U53505,
				I52013, AF120268, E15324, AL137558, L31396,
				U68387, AL137656, AF004162, U80742, L31397,
		_		I00734, AF113694, AL133558, AF069506, Y09972,
		_		E00617, E00717, E00778, X96540, I29004, X66417,
		_		I89944, A70386, U75932, AL133054, A47363,
		_		AL050146, AJ012582, AL137521, AF114168,
				AF145233, AL049339, AL049300, AF113676,
				AL136842, A08916, AF026816, AF028823, AR034830,
				I96214, AF036941, AF055917, AF115392, U57715,
				AJ238278, AF026124, AF158248, AL133637,
		_		AF175903, AL133098, AL133557, AL122093, X62773,
				AF031147, AL049465, AL137276, X97332, AL110171,
				A92311, AF113019, AL137283, US5017, U92068,
			,	AF051325, AF176651, AJ242859, X67688, AL080158,
				AF205861, AL110225, Y14634, AL117394, A52563,
				AF106934, AF119358, U91329, AF057300, AF057299,
				AF115410, AL035458, AL110159, AR020905,
				AF113690, AF100931, Y10080, AF022813, AL137298,
				X60786, Y11254, AL049314, E12580, X52128,
				U86379, AF126488, E01314, Z37987, AL117457,
				AL050116, AL133016, X99717, AF199027, AF106657,
				E01614, E13364, AJ012755, M92439, U51587,
				U01145, AF091084, AL050277, AB026995, AF118070,
				E12579, X06146, E15582, U77351, S82852,
				AL137554, AL117585, AL122098, AF000301,
_				AL133062, AL080140, AA523439, AI652347
1657	HWADQ26	876944	Preferably excluded from the	H72650, AA486265, R36338
	,		present invention are one or more	
			2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	

			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 598 of	
			SEQ ID NO:1657, b is an integer of	
			15 to 612, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1657, and where b is greater	
			than or equal to a + 14.	
1658	HLJBJ74	876945	Preferably excluded from the	AI089472, AI201678, AA121121, AI225034,
			present invention are one or more	AA040061, AA026978, AW074127, AA588232, R75602,
			polynucleotides comprising a	AI381304, AW316739, H96548, AA503627, AI049774,
			nucleotide sequence described by	AIS60029, AA860916, AI969449, N47791, AII30983,
			the general formula of a-b, where a	AI139753, T17035, W35381, AA161140, AA398755,
			is any integer between 1 to 507 of	Z40924, AI623471, H96500, C02374, AL080013,
			SEQ ID NO:1658, b is an integer of	R48316, R75672, W32995, AI247236, R59185,
			15 to 521, where both a and b	R40930, AI080393, T32336, AL119457, AL119399,
			correspond to the positions of	AL119511, AL042544, AL119324, AL043152,
			nucleotide residues shown in SEQ ID	AL042382, AL043168, AA503612, AL079794,
			NO:1658, and where b is greater	AI927233, AI538885, AIS90686, AI679179,
			than or equal to a + 14.	AI431323, AI537837, AI619691, AW029186,
				AA848053, AI446628, AI824748, AI360195,
				AI610362, AI679550, AL037081, AI625464,
				AW150308, AL042866, AI952145, AI476620,
				AI673785,
				AI874243, AI553645, AI802240, AI473652,
			-	AW075305, AW103878, AI284515, AW087199,
				AIS00061, AW051088, AI291973, AI828795,
				AL041928, AW268122, AI571868, AI624529,
				AI890509, AI867068, AI802542, AI433157,
				AW151136, AW084065, AI539771, AI922561,
				AI432644, AI584140, AI686817, AI537677,

_														_					_				_					_							
AI494201, AI627909, AI500659, AW089006,	59, AI866465, AI459322, AI815232,	45, AI801325, AI682891, AI500523,	50, AI887775, AI582932, AI872423,	43, AI923989, AI284517, AI500706,	AI491776,	46, AI889189, AI521560, AI500662,	00, AI582912, AW172723, AI284509,	41, AI889168, AI440263, AW088899,	AI633493,	AI805769,	14, AI284513, AI888118, AI873638,	39, AI538342, AI859991, AI436429,	AI889147,	AI581033,	AI866786,	03, AI431316, AI242736, AI376376,	74, AI887499, AW151979, AI537187,	81, AI094489, AI076761, AI539707,	65, AI866608, AI963846, AI885949,		AI521571,	20, AI860783, AI567953, AI815150,	30, AI446495, AI570966, AI537190,	AI056694,	AI364639,	AI636788,	54, AW080379, AI872722, AI567582,	56, AW088903, AI610402, AI370812,		AI919593,	71, AI269580, AI539153, AW081383,	AW080298,	04, AI583065, AI933992, AI582461, H42557,	68, Z95126, U77594, Y11587, AB026436,	01, AF115392, U49434, AF058921, L10353.
AI49420	A1493559,	AI832245,	AI538850,	AIS90043,	AI445237,	AI678446,	AI539800,	AL079741,	AI866573,	AI434242,	AI500714,	AI285439,	AW089275,	AI371228,	AI440252,	AI860003,	AI828574,	AI539781,	AI702065,	AI569309,	AI285419,	AI865320,	AW183130,	AW193139,	AI886594,	AW085786,	AI300354,	AL039456,	AI910464,	AW162194,	AIS67971,	AI627893,	AIS00504,	AL117568,	AF090901,
			_																						•										

	TO3375 CITTETA BACTELIA TCBAEGO TCTEAT	Γ
	109499, AL133049, AL133067, I89947, S83440,	
	E12747, AL137429, AF107847, AL122049, E07108,	
	U78525, AF119337, AF199027, AL110222, AF114170,	_
	A18777, I48978, U96683, AF047716, Y14314,	_
	AL137550, AL133081, M27260, I66342, X72889,	_
	U92992, ALO49452, AL122050, AL122100, U36585,	
	AL137463, A21103, AL122106, AL080140, AF065135,	
	AR060234, AL080139, AL137558, A08913, AR038854,	
	AR066494, X62580, Z72491, AF114818, AL133072,	_
	A08912, AL137480, A08910, AL137526, I89931,	_
	A08909, AL133070, I333392, U42031, AL110221,	
	AL137256, S77771, AF032666, AF078844, AL050015,	
	I49625, A08908, AF031147, AF200464, X72387,	
	AL133619, AL13365, S76508, AL080060, E03348,	_
	AF017437, AL133558, E03349, AF159615, A30910,	
	AR000422, AL117460, AL122045, X67813, AL050138,	•
	A08915, AF102578, AF057300, AJ005690, AF057299,	_
	AL137476, AL050366, I89934, AL137539, AL137488,	_
	AF038847, AR019470, AF094480, AF182215,	
	AF113013, AL122110, A65341, AL133080, AL122098,	
	U68233, I92592, E01314, AL023657, AL133077,	_
_	AS2563, AL122123, AL133104, AL133637, AF090886,	
	A65340, AF210052, AL137574, AF090900, A45787,	
	Y08769, I22272, AB019565, AF067790, AR013797,	
	Y16645, AF090943, X79812, U67958, X06146,	
	ALO50172, A27171, S79832, AL133113, X66975,	
-	AL117435, AL137548, AF022363, AL080163, A08907,	
	E02253, AF118070, AL137271, AJ242859, AF039138,	_
	AF039137, AL137660, AL050155, AL137294, Z97214,	
	AC004227, AL117648, AF113019, AF119336, I42402,	_
	AF026124, AJ010277, AL096751, AL050393,	_
	AF113691, AF179633, AF113690, X66862, S36676,	
	AF067728, AL080154, AF111851, Z13966, Z82022,	
	AF183393, A58545, AL080137, AL133010, AL137555,	-
	AF000145, AF008439, AF081195, AR011880, E07361,	

				AT.035458	AT.025458 AT.127300 T00734 A08911 T89944	7 TR9944
				U75932, AF	U75932, AF100931, X66871, U92068, A77033,	2068, A77033,
				A77035, A7	A77035, A76337, AL133645, AL117626, AL137459,	117626, AL137459,
				AL133624,	AL133624, AF106697, AL050116, E00617, E00717,	, E00617, E00717,
				E00778, AF	E00778, AF030513, A12297, AF106862, I68732,	106862, I68732,
				A58524, A5	A58524, A58523, A08916, AF002985, AF012536,	2985, AF012536,
				AF113689,	AF215669, X61399,	AF113689, AF215669, X61399, AL080159, AL049460,
				AL137530,	X80340, AL117416,	AL137530, X80340, AL117416, AR059958, AL080234,
				AF061795,	AF061795, AL117457, AF151685, AF158248,	, AF158248,
				AL137665,	AL137665, AF104032, X96540, M92439, AC004686,	M92439, AC004686,
				AJ001838,	AJ001838, L13297, E15582, AL117585, X54971,	117585, X54971,
				AF185576,	AF185576, AF026816, E02152, Y10655, Y10823,	Y10655, Y10823,
				AF118094, AL137478	AL137478	
1659	HE8TT24	876946	Preferably excluded from the	AA477859,	AA477859, AI347465, AA741252, AI672808,	, AI672808,
			present invention are one or more	AA251469,	AA251469, AI275156, H61853, H61854, AA336646,	H61854, AA336646,
		_	polynucleotides comprising a	AA676384,	AA676384, AI909660, AA182632, AA082822,	, AA082822,
			nucleotide sequence described by	AA311433,	AA311433, AA125933, AJ238376, AJ238375,	, AJ238375,
			the general formula of a-b, where a	AJ238374,	AJ238374, AF161479, AJ238379	
			is any integer between 1 to 873 of			
			SEQ ID NO:1659, b is an integer of			
			15 to 887, where both a and b			•
			correspond to the positions of			
			nucleotide residues shown in SEQ ID			
			NO:1659, and where b is greater			
			than or equal to a + 14.			
1660	HSS1S63	876947	Preferably excluded from the	AI862703,	AA612688, AW249954,	i, AI827363,
			present invention are one or more	AA610743,	AA610743, AI432650, AI802722, AI239964	', AI239964,
			polynucleotides comprising a	AA701945,	AA612922, AI361623	AA701945, AA612922, AI361623, N33537, AI301851,
			nucleotide sequence described by	AW002136,	AW002136, AI802741, AA176363, AA576449,	1, AA576449,
			the general formula of a-b, where a	AA976265,	AA976265, AA766161, AA918580, AA653969,), AA653969,
			is any integer between 1 to 833 of	AA148478,	AA148478, AA827535, AA808278, H93495, H62703,	1, H93495, H62703,
			SEQ ID NO:1660, b is an integer of	T17099, A.	T17099, A1972187, N51008, AW195377, N35315,	N195377, N35315,
			15 to 847, where both a and b	AA468340,	AA468340, AW272194, AA932140, H27698, H18938,), H27698, H18938,
_			correspond to the positions of	AI242349,	AI242349, AI218074, AI915880, AA601068,), AA601068,
			nucleotide residues shown in SEQ ID	AI263921,	AI263921, AI925918, T95492, R95678, AA287244,	R95678, AA287244,
			NO:1660, and where b is greater	AI916550,	AA886254, H26101,	AI916550, AA886254, H26101, AA641272, AI985842,

1	4	3	5

			than or equal to a 1.14	32384533 TKA348 ST700153 NBANSA10 BB917563
				AI625872, AA583805, AA514621, AA402915,
				AW299786, H28434, H21901, H21407, AI247273,
				T72816, H59524, T74771, AA931965, H60166,
				AA148477, AI767616, AI935706, AI640135, T28521,
				H24592, AA385649, T71664, AA835555, T72815,
				AI783613, H26143, R29069, L07548, D16307,
				AC006255, D14524, E04020, D13514, E04019,
				X68564, AB017196
1991	H2CAA03	876949	Preferably excluded from the	AI200746, AA306947, AA679811
			present invention are one or more	
_			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 494 of	
			SEO ID NO:1661, b is an integer of	
			15 to 508, where both a and b	
			correspond to the positions of	
			nucleotide regidues shown in SEO ID	
			MO.1661 and whore h is greater	
			the or the training to the greater	
			than or equal to a + 14.	
1662	HCROI77	876952	Preferably excluded from the	AA631215, AI924992, AW079378, AA988078, AI820581
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 530 of	
			SEQ ID NO:1662, b is an integer of	
			15 to 544, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1662, and where b is greater	
			than or equal to a + 14.	
1663	H2CBW39	876953	Preferably excluded from the	AA315245, AB011148, A90836
			present invention are one or more	
			polynucleotides comprising a	

			nucleotide sequence described by	
			ine general formula of a-D, where a	
			SEO TO NO.1663 bis an integer of	
			15 to 444, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1663, and where b is greater	
			than or equal to a + 14.	
1664	нивни68	876954	Preferably excluded from the	AI344224, AI343252, AI763340, AI971555,
			present invention are one or more	AI524277, AW195633, AW242690, AI949067,
			polynucleotides comprising a	AW043627, AI949493, AI831556, AI589614,
			nucleotide sequence described by	AA569876, AW118064, AW294645, AW022953,
			the general formula of a-b, where a	AA806680, AW068609, AA773062, AA461578,
			is any integer between 1 to 1265 of	AW302627, AI962293, AA661535, AI914032,
			SEQ ID NO:1664, b is an integer of	AI077935, AI350493, AA045227, AI433117,
			15 to 1279, where both a and b	AA304941, AI475606, AI375626, AI307282,
			correspond to the positions of	AA316518, AA814665, AA805929, AA622783,
			nucleotide residues shown in SEQ ID	AW384234, N40708, AI355690, N29617, AA630457,
			NO:1664, and where b is greater	AI671471, AI184753, AA251540, AI769738,
			than or equal to a + 14.	AI192362, AI584155, AI040830, AW392440, N62356,
		***		AA099428, N48993, N41617, AA058804, AA167231,
				AA206488, AA167230, R66016, AI143758, AA669452,
				AA171987, AW028843, AI094496, AI219343,
				AI928715, AI640579, AA857867, T98791, AA130523,
				AA101889, AA460290, AA251498, AI868406,
				AI206342, R66015, AA172303, AA570042, AW401363,
				AW366605, AW007103, AA657969, AA635112,
				AA308035, AA373437, AI688532, AW068608,
				AI671588, D11580, H79250, AA503511, T27591,
				AA306546, AA330367, AW402028, AI219231,
				AI913403, AI630129, AA130522, AA344392,
				AA319396, T98790, N45715, AA569886, J02645,
				X53689, J02646
1665	HSYBF36	876957	_	AI341667, AA180986, AI341558, AI093197,
			present invention are one or more	AA031711, AI694268, AI469856, N63041, N50125,

			polynucleotides comprising a	AI478279,	AI478279, AI150599, AI597740, AI985206,	AIS97740,	AI985206,	
			nucleotide sequence described by	AI671591,	AI671591, W72535, AI741942, AA037642, AI962374,	741942, AA	1037642, AI	1962374,
			the general formula of a-b, where a	AA180865,	AA180865, AA031648, AI800796, AA436065	AI800796,	AA436065,	
			is any integer between 1 to 2495 of	AA129939,	AA129939, AW002265, AI074205, AI056532,	AI074205,	AI056532,	
			SEQ ID NO:1665, b is an integer of	AI656721,	AI656721, AI275143, AI337739, AW172525,	AI337739,		W00519,
			15 to 2509, where both a and b	AA446926,	AA446926, AA043021, AA830493, AI655558,	AA830493,	AI655558,	
			correspond to the positions of	AI769027,	AI769027, AA443349, AI095056, AA917703,	AI095056,		W93307,
			nucleotide residues shown in SEQ ID	AA526333,	AA526333, AI689128, AA777090, AW002829,	AA777090,		
			NO:1665, and where b is greater	AA101851,	AA101851, AW139517, AI128702, AI276137,	AI128702,	AI276137,	
			than or equal to a + 14.	AA873711,	AA873711, N98234, W76109, AI631104, AA856832,	6109, AI63	31104, AA85	56832,
				W92810, A	W92810, AA042939, H87505, AA129938, AI688779,	7505, AA12	3938, AI68	38779,
				AA693329,	AA693329, AI676108, T87624, AA570072, AA037641,	T87624, A	A570072, AA	1037641,
				AI186390,	AI186390, T74071, AA031685, AA037500, R82703,	.031685, AJ	4037500, RB	32703,
				AA037234,	AA037234, AW380430, AA985191, R82654, H87506,	AA985191,	R82654, H8	37506,
				AA938640,	AA938640, AI926907, AI916503, AI696069	AI916503,	AI696069,	
				AW140052,	AW140052, AA102060,	F12449, Al	F12449, AI671894, AW057528,	1057528,
				AI695458,	AI695458, AA046964,	AA725452, AI968837	AI968837,	
				AA917824,	AA917824, AA054749,	F10070, AA	F10070, AA917678, AA683581,	1683581,
				AA937814,	A1932475,	AI984598, AA046963	AA046963,	
				AA053281,	AI801723,	AI499751, AA085888,	AA085888,	
				AA031686,	AI074981,	AI279953,	AI809560,	
				AF038662,	AB024436,	AF022367,	AF142672	
9991	HWMCE91	876958	Preferably excluded from the	AA890722,	AA890722, AI695176, AI223269, W15428, AI678286,	AI223269,	W15428, AJ	1678286,
			present invention are one or more	AW449557,	AW449557, AI344351, AW129566, AW083717	AW129566,	AW083717	
			polynucleotides comprising a					
		_	nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 407 of					
			SEQ ID NO:1666, b is an integer of					
			15 to 421, where both a and b					
_			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1666, and where b is greater					
			than or equal to a + 14.		į			
1991	HUVF136	876959	Preferably excluded from the	AI923735				
			present invention are one or more					

			polynucleotides comprising a nucleotide sequence described by					
			the general formula of a-b, where a is any integer between 1 to 511 of					
			SEQ ID NO:1667, b is an integer of					_
		-	15 to 525, where both a and b					
	_		correspond to the positions of					_
	_		nucleotide residues shown in SEQ ID					
_			NO:1667, and where b is greater					
			than or equal to a + 14.					_
8991	HLYBU84	876961	Preferably excluded from the	AW007548,	AW369750,	AI908457,	AI630915,	Γ
			present invention are one or more	AW365081,	AI817246,	AI686944, AW162565	AW162565,	
	_		polynucleotides comprising a	AA534893,	AA033782,	AA033782, AA599322, AI096489	AI096489,	
			nucleotide sequence described by		AA176242,	AA176242, AA483552, AA588407,	AA588407,	_
			the general formula of a-b, where a	AI862878,		AA427425, AA613885, AA412220,	AA412220,	-
			is any integer between 1 to 1335 of	AA243477,		1460031, NS	W94878, AI460031, N95605, AA470032,	_
_			SEQ ID NO:1668, b is an integer of	AA677651,		AI148140, AA902530, AA577431,	AA577431,	
			15 to 1349, where both a and b	AA523380,		AI434640, AW026082, AI573043,	AI573043,	
			correspond to the positions of	AI129794,		AW009274, AA554102, AA700766,	AA700766,	_
			nucleotide residues shown in SEQ ID	AW292794,		AW160961,	AW026393,	
			NO:1668, and where b is greater	AW272201,		AA156869, AA075534,	AI802460,	
			than or equal to a + 14.	AA643550,		AA075634, AI086037,	AI434128,	_
				AA432191,		AI934640, AA936148,	AA832390,	
	-			AA043287,		AI075001, AW009314,	AA830134,	
				AA769386,		AI370761, AA075581, AA603666,	AA603666,	
				AW337458,		AW380901,	AA553892, AW380901, R36977, AI301698,	
				AI613297,	AA431171,	AW190498,	AA431171, AW190498, F36773, AA176143,	
				AA961812,		AA075591, AI201445, AA034038,	AA034038,	
				AI355815,	-	A417790, R	W93408, AA417790, R37629, AI538237,	_
				AA190514,		W087224, AJ	R33090, AW087224, AA191034, H29313,	-
				AW057939,		AI792731, AI384050, AA306868,	AA306868,	_
				AI016135,	AI015828,	T15760, R	AI015828, T15760, R07498, AI587586,	
				AA043626,		R00242, A	AI034090, R00242, AA083325, AA553691,	
				AI383781,		A156870, A	F21581, AA156870, AA311197, F01230,	_
_				AA316341,		W25045, A.	AA417694, W25045, AI147345, AI418700,	
				AI202543,		AA933690,	AA319535, AA933690, R07551, T60037,	_

			2252546	Creton 20000144 20111044 000010
			, 00/0/cm	AAS/0/00, U.30/0, AASILI30, AAL30600, DOI342,
	-		F30880, AA	F30880, AA629750, F33909, AA243536, R00351,
			AA302201,	AA302201, AA524118, W28836, AA281519, R33180,
			AA719927,	AA719927, R76589, AA083438, AA911141, AA494408,
			AA034119,	AA034119, AA295285, T23201, AI984875, AA156979,
			AI142352,	AI142352, AI971194, AI762052, AI174475,
			AW026079,	AW026079, H01393, R76588, AI086242, AA777753,
			AA258556,	AA258556, AA782087, AI651923, AI306436,
			AA946836,	AA946836, AA946830, AW139820, AA946595,
			AA973780,	AA973780, AA761539, AI088083, AA741308,
			AA968972, AA865328,	AA865328, T86736, AA459999, AA701556,
			AI188245,	AI188245, AI188276, AI000875, AA599243, N32426,
			AI023878,	AI023878, AW027063, AI088920, AI193846,
			AA126805, AI800579,	AI800579, U20272, D32257, U14134,
	-		AC004739, AC006045	AC006045
1669 HWLMK6	K6 876963	Preferably excluded from the	T86558, R7	T86558, R74597, AA495751, AI204352, N56848,
•		present invention are one or more	AI242056,	AI242056, W20015, AA460093, AA307386, AA700368,
_		polynucleotides comprising a	AA693860,	AA693860, R97459, AI806458, R97416, AA164861,
		nucleotide sequence described by	AI241618,	AI241618, AA235676, AA362800, AA203578,
		the general formula of a-b, where a	AA203546,	AA203546, AA704439, AI862463, N35933, N45430,
		is any integer between 1 to 472 of	AI239984,	AI239984, AI375890, AI393761, AI378188, N35287
		SEQ ID NO:1669, b is an integer of		
		15 to 486, where both a and b		
		correspond to the positions of		
		nucleotide residues shown in SEQ ID		
		NO:1669, and where b is greater		
		than or equal to a + 14.		
1670 HWLPY93	Y93 876964	Preferably excluded from the	A1433785,	AI379875, AA403186, AW069343,
		present invention are one or more	AI129895,	AI129895, AW069233, AA534411, AA181432,
_		polynucleotides comprising a	AA032182,	AA032182, AI935567, AI376398, AI089572,
_		nucleotide sequence described by	AI452747,	AI452747, AI803472, AA447447, AA236374,
	_	the general formula of a-b, where a	AA128133,	AA128133, AA477274, AI038660, AA477275,
		is any integer between 1 to 1943 of	AI002572,	AI002572, AA233880, AA447446, AA181371,
		SEQ ID NO:1670, b is an integer of	AW130668,	AW130668, AI769036, C03202, AI277470, W07713,
		15 to 1957, where both a and b	AA715421,	AA715421, AA126867, AI680552, AA404675,
		correspond to the positions of	AA126195,	AA126195, C04150, F30780, AA235347, AA192944,

AA421799, AA024985, N80581, D79794, F37772, AA127217, AA027110, 236263, A1925660, F35592, AW263312, AI139845, AA247376, AI038015, AI128210, AA193137, AL115598, AA249326, AA629114, F31719, AA232826, AA729266, AI193315, AA249762, AW373424, AW373769, AI375939, AF056034, S67069	M05557, AA278474, AA485179	AI380296, ANZ06501, AI393559, AI369479, AI362907, AI125368, AN272471, ANJ36950, ANZ73903, U46350, U46345, AF166331, M60329, AJ272227, X86395, X86396	246094
nucleotide residues shown in SEQ ID ANO:1670, and where b is greater by than or equal to a + 14.	preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 801 of 5EQ ID No:1671, b is an integer of 15 to 815, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID No:1671, and where b is greater than the control of the positions of nucleotide residues shown in SEQ ID No:1671, and where b is greater	the or more ng a ribed by -b, where a integer of and b ons of n in SEQ ID greater	the e or more
	876965	876966	876967
	HWMBV3 7	НС DМЕ16	HCRQM25
	1671		1673

			the general formula of a-b, where a is any integer between 1 to 577 of	
	•		SEQ ID NO:1673, b is an integer of	
			15 to 591, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1673, and where b is greater	
			than or equal to a + 14.	
1674	HWMBV7	876968	Preferably excluded from the	AA863064, AI637610, AA075674, AA075545, AA206591
_	2		present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 602 of	
			SEQ ID NO:1674, b is an integer of	
			15 to 616, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1674, and where b is greater	
			than or equal to a + 14.	
1675	HCRQK24	876969	Preferably excluded from the	AI032744, Z60017
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 653 of	
			SEQ ID NO:1675, b is an integer of	
			15 to 667, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1675, and where b is greater	
			than or equal to a + 14.	
1676	HWLOK80	876971	Preferably excluded from the	AA694142, AA815120, AA749173, AI005429
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	

the general formula of a-b, where a is any integer between 1 to 817 of SEQ ID NO:1676, b is an integer of 15 to 831, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1676, and where b is greater than or equal to a + 14.	### Preferably excluded from the present invention are one or more polynucleotides comprising a polynucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1305 of A180997, AA8181291, AA918105, AI319556, AI361971, the general formula of a-b, where a A844487, AA422096, AI493410, AW370895, H50534, SEQ ID NO:1677, b is an integer of A465347, AA8181291, AA818129, AA818129, AA818129, AA818129, AA818129, AA818129, AA818129, AA818129, AA818120, AA8	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 456 of SEQ ID NO:1678, b is an integer of 15 to 470, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1678, and where b is greater than or equal to a + 14.	876977 Preferably excluded from the AI085974, AI858091, AI720077, AW072390, present invention are one or more AI989948, AI934584, AW117525, AW237303, polynucleotides comprising a AW150311, AI692995, AI815035, AW102807.
the is a SEQ SEQ COLT COLT NO:11			
	1677 HNTBD04	<u> </u>	1679 HSUSF13

	the general formula of a-b. where a	AW377667, AI342228, AW295915, AA843597.
	is any integer between 1 to 1112 of	AA031368, AA031369, AA506182, AI338064,
	SEQ ID NO:1679, b is an integer of	AW002066, AI128919, AI083953, AW367975, N27866,
	15 to 1126, where both a and b	AA582219, AI751107, H96650, W47079, AI129845,
_	correspond to the positions of	A1953830, AA976702, AI750786, AI366199,
	nucleotide residues shown in SEQ ID	AI014661, AI090678, H96654, AA846208, AA018530,
	NO:1679, and where b is greater	AW085102, N92750, AI142994, W46779, AA044355,
	than or equal to a + 14.	N40640, AI031911, AA913602, AA506298, AA769731,
		W78040, AA917375, R68943, W46978, N20969,
		AI750787, AA102449, H28051, W32033, N40269,
		N30984, R67524, AW367978, AA876079, H26305,
_		H84840, AW074611, R70575, AA883585, AA725372,
		H13743, AI751106, W19406, AA778022, R70485,
		AA044033, H00808, AA055964, AA296636, AA459816,
		R78950, H26464, AI300644, AA642011, AA508205,
		AA508225, AW235801, AA649284, R24391, AA508374,
	-	AA035658, AA301832, AA296525, R21974, H88611,
		AA506194, AA370945, T90836, AI025235, H88612,
		AA055963, AA857378, R67525, AA018277, AI828914,
		R24281, H98539, AA337106, AA374691, T85743,
		H39859, R68830, R21973, AW366386, D61749,
		N28622, AA322178, AA975143, AA096079, AW025044,
		AI040706, AI459355, AW367977, W31440, AA302828,
		AA382269, AA382270, AA459696, R57416, AI684270,
		AI523423, AI554821, AI686576, AI537303,
		AI564290, AI569975, AI866469, AI440260,
_		AI884574, AI621341, AI609409, AI458237,
		AI564719, AW008779, AI950892, AI927233,
		AI909661, AI866465, AI610690, AI783861,
		AI537273, AI866801, AW262042, AI800380,
		AI453328, AI538850, AL036901, AW118518,
		AI633125, AI697324, AI978703, AI583065,
		AI537244, AI538716, AA761557, AW160916,

	ALCASSEL,	
	AW071177,	7, AIS69309, AL134259, AW410259,
	AI702073,	3, AL047100, AI537191, AW198090,
	AW149311,	1, AI567944, AI696340, AW148408,
	A1612913,	3, AI474646, AI440238, AW083804,
	AA715307,	7, AA809974, AI432969, AI539260,
	AI860027,	7, AL036923, AA470491, AI862139,
	AI819326,	5, AI433157, AI654750, AI499393,
	AI539771,	AI520785,
	AA835801,	1, AI355779, AI923989, AI537677,
	AW051088,	8, AW087207, AW169671, AI886206,
	AW161156,	6, AI635492, AW105383, AI879377,
	AI690410,	0, AI863382, AI872423, AI091468,
	AL038986,	6, AW151766, AI524654, AI625595,
	AW073996	AW073996, AI798456, AI804585, AI801325,
	AW022682	AW022682, AI522052, AI439087, AW082033,
	AW104724	AW104724, AI859991, AI573032, AF125535, Z92846,
	000763,	U00763, U01145, AL080140, A83556, I48978,
	AL035458	AL035458, AC005291, A77033, A77035, AC007298,
	M81784,	M81784, AF081195, U95739, AL080163, AF081197,
	A91162,	A91162, AL050138, B08631, I89947, AF087943,
	AL050149	AL050149, U72620, A76335, AL137459, E06743,
	AL110222	AL110222, AL137480, AF098162, AL133665,
	AF100931	AF100931, AL137558, X80340, AL137550, AL110218,
	AF061943	AF061943, AF126247, AL049283, AL050024, X65873,
	ALOS0277	ALOSO277, A08910, A58524, A58523, A08909,
	I48979,	I48979, X61970, AL137526, Y16645, A08908,
	AL096744	AL096744, A08913, Z37987, AF061795, AL080239,
-	U62807,	U62807, AF151685, AF039138, AF039137, AF201468,
_	AR038854	AR038854, AL133075, AF032666, X82434, AL122049,
	AL133640	AL133640, AL133568, AF030513, X53587, AC004383,
_	AF097996	AF097996, AL137557, A65341, AF090900, U80742,
	AL122093,	3, Z97214, AF104032, AL137476, X81464,
	AF078844,	4, AL133080, AL049382, I26207, X84990,
	AL122100	AL122100, AL137529, AL117457, AL117435,
	AR011880	AR011880, AF026816, AJ006039, AF177401,

				37.137488 735300 BI.133560 T80031 /BB016296
				AL133557, AF184965, AR034821, AF008439,
				AL137463, 149625, A08907, AL122110, X53777,
				AL133072, AL110280, A08916, AF125948, AF090934,
				AF028823, AJ000937, AL117587, AL080074,
		_		AL137554, A91160, Y14314, A08912, AL137656,
_				AC004822, A23630, A18777, AL049430, AL137533,
				AF079765, A03736, AL049347, U88966, X72889,
				A08911, AL122121, AF113691, AL137560, AL137538,
_				AF090901, X93495, AL133031, I96214, AL080159,
				AL117626, AF090903, AL133016, I09499, AL122045,
				AF061981, AL080148, S76508, AL122123, AL050366,
				AR034830, AL137627, AF113019, AL133558, Y18680,
				AL122050, I33392, AF113699, Y13350, AL133081,
_				AF079763, AF111849, E07108, Y09972, AF067728,
				AL133077, AL110225, S68736, AL122118, I32738,
_				AL133113, A18788, I89934, AL080110, AF091084,
				AF031903, E05822, AF111851, U35146, AF183393,
				[I03321, AF106862, AL137479, M80340, I89944,
				A21103, Y10655, S75997, L13297, S36676, AL122111
H 0891	H2CBE41	876978	Preferably excluded from the	AA307330, AI032392, AI434808, AI632534,
			present invention are one or more	AW136621, AI992345, AI637461, AA836544,
			polynucleotides comprising a	AA745059, Z21538, D20524, D80522, D81026,
			nucleotide sequence described by	AW377671, D58283, D59889, D80133, D80043,
			the general formula of a-b, where a	D80022, C14331, D80248, D81030, D59859, D80188,
			is any integer between 1 to 616 of	D80166, D50979, D80195, C15076, D80269, D59467,
			SEQ ID NO:1680, b is an integer of	D51423, D59619, D80210, D51799, D80391, D80164,
			15 to 630, where both a and b	D59275, D80240, D80253, D59787, D80227, D80212,
			correspond to the positions of	D59502, D57483, D80196, D80219, D59927, D50995,
			nucleotide residues shown in SEQ ID	D80251, D80038, AA305409, D80193, D59610,
_		_	NO:1680, and where b is greater	C14389, D51060, D80378, C14429, D80024, D80366,
			than or equal to a + 14.	AA305578, D51022, D59373, D80045, C75259,
				AW177440, AA514188, D80241, C06015, AW360811,
				AW178893, D80268, T03269, C14014, D59627,
				AA514186, AW375405, AW360844, D80014, D80132,
				AW179328, AW177501, AW177511, D51213, D80247,

	AW378532, AW366296, AW352170, AW360302,
	AW375406, AW378534, AW352171, AW179332,
	AW377672, AW179023, AW178905, D80439, AW177505,
	AW178775, D80064, C05695, AW377676, D811111,
	AW178762, C14227, AW360841, D58101, AW352117,
	D80134, AW178906, D51250, AW178909, D59503,
	D58253, AW177731, AW178907, AW178754, AW179019,
•	AW179018, AW179024, AW369651, AW367967,
	AW352158, F13647, AW179020, AW176467, AW177456,
	AW179329, AW178980, AW360834, AW17733,
	AW378528, AW178908, AW178971, D51103, AW352174,
	T02974, C14407, D51759, D80157, AW179017,
	AW179004, AW179009, AW179012, AW178914,
	AW378543, AW378525, AW352163, AI910186,
	AI557751, T11417, AW378539, D80168, AI905856,
	T03116, AW178774, AW178911, AW17722, AW177728,
	D59653, T48593, AW378540, C14298, AL557774,
	D45260, AW178781, AW352120, C03092, D60010,
_	H67866, AA809122, H67854, AI525923, Z21582,
	D52291, AW367950, D59695, D80949, C14344,
	AIS25917, D59317, D58273, D58246, D59474,
	D80258, AIS25227, AA285331, C14046, C14973,
	AW177734, AW378533, DS1079, AA514184, DS1097,
	AW167716, AW178986, D51221, C16955, C14957,
	AI525920, AI535686, D59551, AI525912, D60214,
	AI525235, AW179013, H67858, T03048, Z33452,
_	AI525242, AI525925, AI525215, F13796, AW378542,
	C05763, U38654, AF154840, AF125393, U57094,
	A62300, A84916, A62298, AJ132110, AF058696,
_	AR008278, AR018138, AB028859, D34614, X67155,
	Y17188, D26022, A25909, Y12724, A67220, D89785,
	A78862, A82595, A94995, D88547, AR008443,
	AR0603B5, AB002449, X82626, AR016808, AR025207,
	I50126, I50132, I50128, I50133, AR066488,
	AR016514, AR060138, A45456, A26615, AR052274,
	AR054175, AR038669, X09669, A43192, A43190,

				AR066490, I14842, AR066487, A30438, Y17187, I18367, AR008277, AR008281, A63261, D50010,
				A70867, AB012117, AR062872, AR016691, AR016690,
				U46128, X68127, AR008408, A64136, A68321,
				A85396, D88507, AR066482, A44171, I79511,
				A85477, I19525, A86792, D13509, AR060133,
1891	HWLFY03	876980	Preferably excluded from the	AA307778, AL119084
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
_			is any integer between 1 to 598 of	
			SEQ ID NO:1681, b is an integer of	
			15 to 612, where both a and b	
_			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1681, and where b is greater	
			than or equal to a + 14.	
1682	HE2JX48	876981	Preferably excluded from the	AA426499, AW081325, AI985955, AW021040,
			present invention are one or more	AI160194, N51691, AI139313, AI378674, AA622963,
			polynucleotides comprising a	AI624270, AI656023, AI418379, AI095120,
			nucleotide sequence described by	AI634162, AI362188, AI190851, AI091497,
			the general formula of a-b, where a	AA009944, AA418983, AI336531, AI394274,
			is any integer between 1 to 1180 of	AA857944, C15793, AI214264, AI277517, AI346314,
			SEQ ID NO:1682, b is an integer of	N47105, AI361996, C16060, AW192963, D57940,
			15 to 1194, where both a and b	AI536992, AI304548, AA918156, C16528, N40979,
			correspond to the positions of	N67845, AA393695, AA857656, AI659750, H95189,
			nucleotide residues shown in SEQ ID	AI493625, C16468, D56642, AI094425, AA552961,
			NO:1682, and where b is greater	AI080394, R81446, AW439682, N51633, D56627,
			than or equal to a + 14.	D56835, N44986, H88689, AI589928, AA379627,
_				R76880, AI832292, H88648, C16043, D57541,
				D57973, AA328571, D57430, AA360724, AI089758,
				C16179, C16087, D79736, AI445344, D56588,
				R32408, AI470720, R81649, AI279894, AI933918,
_				AI218414, R69853, AA056022, AI333062, AI004951,

	ATAGODALA ANGLIACTA ALACTA ALACTA	775670
_	ALCOLOGIA,	190101
	AA603697, AI151369, AA775618, AI961728, D56917,	961728, D56917,
_	AI151348, AI921968, H88952, AI423219, AA101875,	3219, AA101875,
	AA345303, AI379653, AI218413, AA148883, R69854,	148883, R69854,
	AI553652, C16222, AA247850, AI638373, D62852,	8373, D62852,
	D57431, C16128, T99176, AW073968, C21346,	, C21346,
	D79319, D25644, R57315, D62988, C16117, C16253,	C16117, C16253,
	N50313, AA918998, R32407, AI096770, AA479361,	70, AA479361,
	AA564604, AA479186, R77041, AA478645, AW205520,	8645, AW205520,
	AW069594, AW104938, AI755000, AW069627,	069627,
	AI264950, AI362021, AI584053, AI367672,	367672,
	AW337368, AA206329, AW128957, AA666020	666020,
	AI249775, AI130987, AW198220, W74332, AW338136,	4332, AW338136,
	AAB72307, AA171971, AW241261, AW338347,	338347,
	AA148956, AI916347, AA554374, AA862791,	862791,
	AI718186, AA150911, AI659417; AW026625,	026625,
	AI190520, T27978, H89035, AA975415, AA479472,	15, AA479472,
	AI911934, AI819270, AA256999, AA977736	977736,
	AA723064, W72577, AI336178, AA722599, AA905491,	2599, AA905491,
	AA075265, AI580783, N26834, AA532639, AI193987,	2639, AI193987,
	AA142873, AI620284, Z20033, AI03	Z20033, AI039612, R62837,
		500523,
	AI284517, AI275175, AI539771, AI433976,	433976,
	AL045500, AI537677, AI281773, AI491776,	491776,
	AI499463,	452612,
	AI696612,	1148320,
	AL045266, AW008048, AI282655, AI572787,	572787,
	AW075351, AI524671, AI274508, AI889376,	889376,
	AI866457, AI282281, AW087445, AW075413,	1075413,
	AIS67940,	AL036802, H52440, AI436456,
	AI270707,	R64680, AI963846, AI612913,
	AI554821, AI783504, AI866608, AL121286,	121286,
	AI637584, AW238730, AI538716, AI862144,	862144,
	AI926790, AI500077, AI702406, AI921248,	921248,
	AI590120, AI571909, AL040243, AI702073,	702073,
	AI349598, AI269862, AL038605, AI249323,	249323,

			COLLECTE CERTOCIE COCONIE
			AL/02066, AL669367, ALCGL//2, AL63LLU,
			AL036396, AI610402, AI281837, AW170635,
			AW051258, D45889, A74912, I89947, I48979,
			A08916, A08913, I89931, D13542, I48978,
-		,	AL137527, AF091084, L31396, AL133640, L31397,
	-		AL049452, AF104032, AL122049, AF113013, A03736,
_			AL049430, AF113677, AL050116, AF106862,
			AL137557, AL122098, A08910, AL050277, AL117457,
	_		A08909, AF090943, AF146568, AL080159, S78214,
			AL133016, AF113699, AL137459, A65341, E07361,
			AL133080, AF113691, AL080060, A77033, A77035,
_			133392, AL110196, AL137463, AL133113, AL049466,
			AF113019, U42766, Y16645, AF113690, AF090903,
			AL117460, AL050149, AL080124, Y11587, AL050393,
			AF090934, AL137271, AL049938, AF125949,
			AL133557, AF177401, U35846, AL049283, AL133565,
			AF078844, AF090901, AL049382, AL050146,
4			AF090900, I49625, Z82022, AL117583, AL133093,
			AL122110, AJ242859, AF113694, A58524, U80742,
	-		E03348, AF067728, AF113689, AB019565, Y11254,
			AL049314, AF113676, AF118064, A58523, AL122123,
			AL110221, AR059958, S68736, AF125948, AF090896,
			AL122093, AF158248, AL050108, AF118070,
			AL050138, AF183393, X84990, X72889, AL137550,
			AL122050, AL133072, X82434, AF111851, E02349,
			AL133075, AL133560, AF017152, AF017437,
			AL117435, AF118094, AL080137, I03321, AL122121,
			AL133606, AF087943, AR011880, E07108, AL096744,
			AL117394, AL110280, AL050024, AJ000937,
			AL117585, AL049464, U91329, E15569, A93350,
			AL137648, A93016, X63574, U67958, AF097996,
			I42402, U00763, A12297, X93495, AL137538,
			AJ238278, AF079765, AL110225, I09360, AL133077,
			I26207, AL137521, AL049300, Y14314, AL137283,
			U72620, X96540, AF119337, AL080127, X65873,
			X70685, AF026816, AJ012755, AL133067, AF153205,

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				AUBSIZ, AFUBIS43, AKUS8969, EU8263, EU8264,
				AL137560, AF185576, X98834, AL110197, AL050172,
				AL133014, AL137480, S61953, AL133104, AF111112,
				AR000496, U39656, AF026124, AF057300, AF057299,
				AL137523, E05822, AL137556, Z37987, AL133568,
				AL137476, AL137526, AR038854, U58996, AF079763,
	-			AF111849, AJ006417, AF003737, AF061981, X87582,
				AL117440, AC004383, U49908, AL133098, AL137488,
				AF061573, AF032666, A45787, U96683, Y09972,
				I00734, Y07905, AF051325, X92070, AF162270,
				E00617, E00717, E00778, U78525, L19437, A07647,
				Z72491, M30514, AF177767, AL122118, X53587,
				AL080074, AL137300, AL137533, AF106827,
				AC002464, AF106657, AF008439, AR020905,
				AR013797, A90832, L30117, I17767, E08631,
				AF095901, E04233, U68387, I09499, AF139986.
1683	HNFHD27	876983	Preferably excluded from the	AI742835, AI469703, R98751, R83167, AI538038,
			present invention are one or more	AI215412, T96765, AA206614, R93713, AI678748
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 1000 of	
			SEQ ID NO:1683, b is an integer of	
			15 to 1014, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1683, and where b is greater	
			than or equal to a + 14.	
1684	HWLXS11	876984	Preferably excluded from the	AI692881, AI240606
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 417 of	

			TO NO. 1694 h is at integer of				
			15 to 431, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1684, and where b is greater				
			than or equal to a + 14.				
1685	HCRPG94	816985	Preferably excluded from the	AA307658,	AW381667,	AA307658, AW381667, AW295050, AI525535	A1525535,
			present invention are one or more	AF095791, AF220152	AF220152		
			polynucleotides comprising a				
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 555 of				
			SEQ ID NO:1685, b is an integer of				
			15 to 569, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1685, and where b is greater				
			than or equal to a + 14.				
1686	HCUG073	876987	Preferably excluded from the	AI581133,	AI581133, AI183335,	AI591306,	AI859797,
			present invention are one or more	AI474090,	AA757640,	AI474090, AA757640, AI076898, AIS59591,	AIS59591,
			polynucleotides comprising a	AA457735,	AW173564,	AA457735, AW173564, AW204070, AA480846,	AA480846,
			nucleotide sequence described by	AA767766,	AI526090,	AIS26090, AI392866, AA723065	AA723065,
			the general formula of a-b, where a	AA939140,		W103638, A	R52542, AW103638, AA766199, AA757573,
			is any integer between 1 to 908 of	AI591339,		AA036665,	AI910407, AA036665, W47118, AW020710,
			SEQ ID NO:1686, b is an integer of	AA580663,	AL039858,	AL039858, AA708505, AI002285,	AI002285,
			15 to 922, where both a and b	AW090087,	AA641818,	N63128, A.	AA641818, N63128, AI440263, AL040827,
			correspond to the positions of	AI889256,	AA939199,	AI889256, AA939199, AI866465, AI401697	AI401697,
			nucleotide residues shown in SEQ ID	AW263804,	AI538850,	AI538850, AI688848, AL120853,	AL120853,
			NO:1686, and where b is greater	AI886440,	AI859782,	AI859782, AW161156, AA557132,	AA557132,
			than or equal to a + 14.	AI567961,	AI801325,	AI801325, AW020373, AI587000,	AI587000,
				AW020397,	AI624950,	AI624950, AI500714, AA056265,	AA056265,
				AW020693,	AI581033,	AI961414,	AI581033, AI961414, T99953, AI918554,
				AW167918,		N99092, AI619513, AI345005,	I345005, AL041016,
				AI340627,		AI570861, AI889147, AI582932	AI582932,
				AL121564,	AI685798,	AI698391, AI345014,	AI345014,
				AI538564,	AI915291,	AI538564, AI915291, AW152182, AA420722,	AA420722,

AW161579, AI471909, AI923989, AI284517,
AI811192, AI917994, AI473536, AI340982,
AW079432, AA857847, AL049048, AI866469,
 AW151979, AA741027, AI371251, AI859991,
AI884318, AI440238, AI624245, AI568061,
AW075382, AI923750, AI348854, W74529, AI866573,
AI702343, AI539260, AA042949, AA502794,
AW191003, AW071380, AL036923, AI334893, J05272,
AC007283, U00978, A91160, A91162, I48978,
Y10080, X06146, A21101, I52013, AF125948,
U49434, AL133080, A83556, AF017790, A08910,
A18788, D89079, AL117440, A08909, S83456,
A49139, AF047716, A58524, A58523, AF119337,
A08908, X70514, AL137292, I30339, I30334,
A08912, AJ006417, E12747, AL136884, S63521,
AF087943, A07647, U42766, AF124435, AL122045,
AL133072, AF113013, I00734, I48979, A76335,
S77771, E00617, E00717, E00778, AL137476,
AR038854, A08907, AL050172, U58996, X15132,
 E04233, A08913, AL137459, AF146568, U72621,
AL096720, A12522, A18777, I89931, Y18680,
AF111849, S76508, D16301, A08911, I89934,
I89944, AL050149, I49625, AF094480, L04849,
Y08864, AJ000937, AL137640, AL049430, AL080154,
146765, AL122100, AJ003118, AL117587, AL050280,
AF159148, AF026124, AF106945, AF118094,
AL117460, U62807, AL049996, AB016226, AF113019,
AL133637, AF100931, Y16645, S36676, AL110196,
A77033, A77035, AL080159, AF143957, AF079763,
Z37987, AL117457, Y14314, AL080156, AR038969,
AL137488, AF090901, AL080126, X65873, U35846,
L04504, AJ012755, I89947, A17115, A18079,
A15345, AL080124, X62580, AL049382, X63162,
AL117649, AL110158, AF090903, AL050116,
AF061981, 132738, AB030279, AL080163, AL133112,

			AL137267, 168732, D83032, L13297, A08916,
			AF031903, AF118090, AL133568, AL110225,
			AL122123, M80340, AC004200, AF179633, AL137463,
			X81464, AL137627, AR013797, AF207750, AF113690,
			AF017437, X66871, AL133558, AL049283, I33392,
			AF051325, AL049464, L30117, M85164, M27260,
			AF199027, AF180525, U78525, AL133569, A52563,
			AL137527, Y07905, AF139986, AR068466, AL137548,
			AL137665, AF061943, U72620, AL137550, AL137539,
			AL117648, AL049347, AF038847, Y10936, A90844,
-			AL137560, E02349, AL110296, AF090886, AL096744,
			I25049, I25048, AF177401, X86693, AF039138,
			AF039137, AL117394, AL133010, AF112208,
			AJ005690, AL137479, X72889, A90832, AL133665,
	_		I80062, E02152, I79595, AF002985, S75997,
			AF113694, X82434, AF119336, AF090943, AB031064,
			AF069506, AL133624, AL110221, X54971, U57352,
			AF016271, AL117443, AL137641, AL137480,
			AL049452, I29004, X66417, AL110159, AL133560,
			S61953, Z48796, AF028823, AL137283, I28326,
			AF067728, X87582, U67958, A93350, AL137529,
			E07108
1687 HPMDD49	49 876989	Preferably excluded from the	AL134806, AW408278, AW382759, AA315582, N43819,
		present invention are one or more	AW393044, AA310712, AA321625, N26436, AW393061,
		polynucleotides comprising a	AA089543, AA740922, AW364275, AW402662,
		nucleotide sequence described by	AA281391, AI540961, AI271339, D25278
		the general formula of a-b, where a	
		is any integer between 1 to 1582 of	
		SEQ ID NO:1687, b is an integer of	-
		15 to 1596, where both a and b	
		correspond to the positions of	
		nucleotide residues shown in SEQ ID	
		NO:1687, and where b is greater	
		than or equal to a + 14.	
1688 HCNSF23	3 876990	Preferably excluded from the	AI394043, AI198754, AI198189, AA969930,
		present invention are one or more	AI739036, AI268413, AA861762, AI222281,

			polynucleotides comprising a	AA883969, A1476496	AA883969, AI312584, AW197737, AI337319, W60319, AI476496, AI420953, AI816942, AA917042, AW418714	AW197737,	AI337319,	W60319,
			the general formula of a-b, where a					
			is any integer between 1 to 315 of					
			SEQ ID NO:1688, b is an integer of					
			15 to 329, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1688, and where b is greater					
			than or equal to a + 14.					
1689	HKDBC15	166918	Preferably excluded from the	AI862551,	AI862551, AI765006, AI917375, AI972770,	AI917375,	AI972770,	
			present invention are one or more	AA552639,	AA552639, AI218562, AI768706,	AI768706,	W65408, AI350781,	1350781,
			polynucleotides comprising a	AI640306,	AI640306, AA574291, AA468717,	AA468717,	AI307307,	
			nucleotide sequence described by	AA055447,	AA055447, AA514669, AA574359,	AA574359,	AA516276,	
			the general formula of a-b, where a	AI658818,	AI658818, AI886513, AW104092,	AW104092,	AI056398,	
_			is any integer between 1 to 1259 of	AW291148,	AW291148, AW026517, AI537287, AI493566,	AI537287,	AI493566,	
			SEQ ID NO:1689, b is an integer of	AI420453,	AI420453, AI962537, AA468798,	AA468798,	AA477076,	
			15 to 1273, where both a and b	AA055446,	AA055446, W61322, AI669652	1669652		
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
		_	NO:1689, and where b is greater					
			than or equal to a + 14.					_
1690	HSIGM23	876992	Preferably excluded from the	AA504588,	AA504588, AL138384, R78587, R64412,	R78587, R		AA236105,
			present invention are one or more	AI367325,	AI367325, R26008, H25950, AI359774, AI222758,	25950, AI3	59774, AI2	22758,
			polynucleotides comprising a	AI285942,	AI285942, AI499688, AW072370, AI042411,	AW072370,	AI042411,	
			nucleotide sequence described by	AA928406,	AA928406, AI817207, AI130765, AW016387,	AI130765,	AW016387,	
			the general formula of a-b, where a	AI082279,	AI082279, AI073537, R78588, R63806, AA405549	R78588, R	63806, AA4	05549
			is any integer between 1 to 1006 of					
			SEQ ID NO:1690, b is an integer of					
			15 to 1020, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID	_				
			NO:1690, and where b is greater					
			than or equal to a + 14.					
1691	HCQBN43	876993	Preferably excluded from the	AI688703,	AI688703, AI761358, AI813766, AW182487,	AI813766,	AW182487,	
			present invention are one or more	AI829360,	AI829360, AI380125, AI890417, AW377304,	AI890417,	AW377304,	

			polynucleotides comprising a	AI934593, AW377372, AW377334, AW377268,
			nucleotide sequence described by	AW375342, AW377315, AI357827, AW377285,
			the general formula of a-b, where a	AW377266, AA305061, AI559533, AW377387,
		_	is any integer between 1 to 1622 of	AW377252, AW377383, AW377255, AI283201,
		_	SEQ ID NO:1691, b is an integer of	AI286089, AW377339, AW377240, AW377223,
		_	15 to 1636, where both a and b	AA515982, AI343596, AI475146, AW193361,
			correspond to the positions of	AW377246, AA579699, AI289618, AW351695,
			nucleotide residues shown in SEQ ID	AA503064, AW377220, AI803822, N49117, AW375369,
			NO:1691, and where b is greater	AW351685, T29359, AW377256, AW375332, N48341,
			than or equal to a + 14.	AC000061, AR016032, I11500, I66544, M55131,
				M76128, A83151, U20418, A49045, AF162427,
				I66545, AF016950, AF162400, AF013753
1692	нсовооз	876994	Preferably excluded from the	AW369811, AW014155, AI334392, AA664276,
			present invention are one or more	AA608594, AA984631, AI954111, AA410972,
			polynucleotides comprising a	AA586953, AW194426, AI445882, AI420061, R11024,
		_	nucleotide sequence described by	AA911063, AI335787, AI623204, AA419568, R11072,
			the general formula of a-b, where a	AA864381
			is any integer between 1 to 821 of	
			SEQ ID NO:1692, b is an integer of	
			15 to 835, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1692, and where b is greater	
			than or equal to a + 14.	
1693	нсост85	876997	Preferably excluded from the	
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 593 of	
			SEQ ID NO:1693, b is an integer of	
			15 to 607, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1693, and where b is greater	
			than or equal to a + 14.	

1694	HUVFS16	876998	Preferably excluded from the present invention are one or more	AA243167,	AA443167, AL046148, AA243686, AA405113,	AA243167, AL046148, AA243821, AA492497, AA243686, AA405113, AI351901, AA463466,	AA492497, AA463466,
			polynucleotides comprising a	AA011361,	AL043877,	AA011361, AL043877, AB020669, AF054828,	AF054828,
	_		nucleotide sequence described by	AF068920, AF068921	AF068921		
			the general lormula of a-b, where a				
			one to we lead to the terms of				
			SEQ ID NOTE 1694, D 18 an integer or				
			15 to 1273, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1694, and where b is greater				
			than or equal to a + 14.				
1695	нсоврзі	877000	Preferably excluded from the	AI635096,	AA165632,	AI635096, AA165632, AA523697, AW166525,	AW166525,
			present invention are one or more	AA769127,	AW129960,	AA769127, AW129960, AI686907, AI768699,	AI768699,
_			polynucleotides comprising a	AW136550,	AI915606,	AW188763,	AW136550, AI915606, AW188763, H79957, AI540313,
			nucleotide sequence described by	AI769970,	AA719353,	AI769970, AA719353, AW151462, AW418915,	AW418915,
			the general formula of a-b, where a	AA829144,	AA165668,	AA829144, AA165668, AW182418, AW102605,	AW102605,
			is any integer between 1 to 786 of	AA757716,	C16515, A	A907061, A	AA757716, C16515, AA907061, AA860897, AI217462,
			SEQ ID NO:1695, b is an integer of	AI217382,	AI239881,	AA703100,	AI217382, AI239881, AA703100, AA577904, R21911,
			15 to 800, where both a and b	AI637789,	N87490, N	42130, AI7	AI637789, N87490, N42130, AI764980, AI936236,
			correspond to the positions of	AI141067,	AA649747,	AA642829,	AI141067, AA649747, AA642829, R69594, AA528274,
			nucleotide residues shown in SEQ ID	AA992380,	AC006047,	AP000509,	AA992380, AC006047, AP000509, AC004185, D84394,
			NO:1695, and where b is greater	AL080317,	AC005406,	Z97876, A	AL080317, AC005406, Z97876, AC009542, AC009330,
			than or equal to a + 14.	AF058907,	AF196971,	Z98750, A	AF058907, AF196971, Z98750, AC011604, AL030998,
				Z83820, A	C004707, A	Z83820, AC004707, AC004617, AC004691,	C004691, AC007319,
				Z97054, A	C005908, A	Z97054, AC005908, AC003983, AL023280,	L023280, AL031073,
				M74509, A	C010209, A	F026254, A.	M74509, AC010209, AF026254, AF026248, AF026249,
				AC003678,	AC003689,	AC002094,	AC003678, AC003689, AC002094, U77841, AC004772,
				AL022147,	AC004924,	AL022147, AC004924, AC003093, AC004985	AC004985,
				AC005574,	AC003082,	AL049697,	AC005574, AC003082, AL049697, AR036572, U91328,
				AC007206,	AP000083,	AC006023,	AP000083, AC006023, AC002536, Z83839,
				AP000689,	AC002059,	AC002059, AJ239329, AP000688,	AP000688,
				AB003151,	Z98257, A	C006017, A	Z98257, AC006017, AC005632, AC003087,
				AC006335,		AC022517,	AC007317, AC022517, 297198, AC000385
1696	HCRMU18	877001	Preferably excluded from the	AA486568,	AI733856,	AA486568, AI733856, AA077667, AI090377,	AI090377,
			present invention are one or more	AA831426,	AI336771,	AA831426, AI336771, AA493546, AA670392,	AA670392,

			The second secon					
			polynucleotides comprising a	AI816058,	AC005914,	AI816058, AC005914, AL035681, AL050307	AL050307,	
			nucleotide sequence described by	AC009516,	Z83826, AC	3005015, AC	AC009516, Z83826, AC005015, AC007041, AC004706,	14706,
			the general formula of a-b, where a	AC005484,	AC004819,	AC005484, AC004819, AC007536, AL121825,	AL121825,	
			is any integer between 1 to 504 of	AF067844,	AP000512,	AF067844, AP000512, AC004962, AC007685,	AC007685,	-
			SEQ ID NO:1696, b is an integer of	AF109907,	AC005412,	AF109907, AC005412, AC009247, AC005274,	AC005274,	
			15 to 518, where both a and b	AF027390,	AC002477,	AF027390, AC002477, AC006487, AC006011	AC006011,	
			correspond to the positions of	AL022318,	U62293, A	2005730, AC	AL022318, U62293, AC005730, AC005069, U22376,	176,
			nucleotide residues shown in SEQ ID	AC005800,	AL139054,	AC005800, AL139054, AC007216, AC004150,	AC004150,	
			NO:1696, and where b is greater	AC000353,	Z95114, A	3005754, AL	Z95114, AC005754, AL049569, AL049766,	19766,
			than or equal to a + 14.	AC005013,	AC005081,	AC005013, AC005081, AB023049, AC006581,	AC006581,	
				AP000558,	AP000045,	AP000558, AP000045, AL080243, AC009248,	AC009248,	_
				AC005071,	AC004686,	AC005071, AC004686, AL109628, AC007073,	AC007073,	
				AC005971,	AL035461,	AC005971, AL035461, AL022721, AC005164,	AC005164,	-
				AL096791,	AC005057,	D84394, AI	AL096791, AC005057, D84394, AL121658, AC006251,	6251,
				AC009721,	AC003663,	AC009721, AC003663, AC007371, AL049869,	AL049869,	
				AL031432,	L44140, Z	98950, ACOC	AL031432, L44140, Z98950, AC005520, AP000031,	131,
				Z98946, A	L022238, A	C006511, AE	Z98946, AL022238, AC006511, AP000557, AC004668,	14668,
				AL031666,	AF207550,	AL031666, AF207550, AC005488, AC005358,	AC005358,	
				AL117694,	AC019014,	AL117694, AC019014, AL121603, AL021940,	AL021940,	
				AC007226,	AC005632,	AC007226, AC005632, AC005670,	AC005529,	_
				AC006006,	AC006006, AC008115,	AC002300, AL035086,	AL035086,	
				AC005200,	AC005200, AC004491,	AL023807, AF200465,	AF200465,	-
				AP000116,	AP000116, AC007676,	AC004149, AF129756,	AF129756,	
				AC007899,	AC005740,	AC006961,	AC004913,	AC005088
1697	HONAN63	877002	Preferably excluded from the	AA305628,	AA305628, AA308609,	AA300521, AA356487,	AA356487,	
			present invention are one or more	AA363124,	AA363124, AB020712			
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 530 of	- 110				
			SEQ ID NO:1697, b is an integer of					
	-		15 to 544, where both a and b					
1			correspond to the positions of					
	_		nucleotide residues shown in SEQ ID					
			NO:1697, and where b is greater					
			than or equal to a + 14.					-

H73991, AI770045, AI866911, N24909, AA418453,	AA987568, AL035420	AB028946
Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 518 of SEQ ID NO:1698, b is an integer of 15 to 512, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1698, and where b is greater than or equal to a + 14.	preferably excluded from the present invention are one or more present invention are one or more polynuclectides comprising a nuclectide sequence described by the general formula of a-b, where a is any integer between 1 to 175 of 15 to 189, where both a and b correspond to the positions of nuclectide residues shown in SEQ ID N0:1699, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynuclectides comprising a nuclectide sequence described by the general formula of a-b, where a is any integer between 1 to 624 of 5EQ ID NO:1700, b is an integer of 15 to 638, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1700, and where b is greater than or equal to a + 14.
877004	877005	877006
нсусибъ	HCRNO79	HCRM022
1698	1699	1700

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1701	HFDME46	400448	Preferably excluded from the	AA074619,	AW375400,	AA074619, AW375400, AW389301, AI909808	A1909808,	
			present invention are one or more	AW389291, AB014603	AB014603			_
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 681 of					
			SEQ ID NO:1701, b is an integer of					_
			15 to 695, where both a and b			•		
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1701, and where b is greater					
_			than or equal to a + 14.					_
1702	HCWHN82	877008	٠	AI283018,	AW451644,	AI283018, AW451644, AA889452, AI369736	AI369736,	Γ
			present invention are one or more	AA971331,	AA971331, AI811185,	AA991486, AA146655	AA146655,	
			polynucleotides comprising a	AI888354,	AI888354, AA319058,	AW388636, AI569358	AI569358,	
		_	nucleotide sequence described by	AA877264,	AA877264, AI473558,		F35033, C17917, A1952676,	
			the general formula of a-b, where a	AI752007,	AI752007, AI860674,	AW378122, AI687473,	AI687473,	_
			is any integer between 1 to 531 of	AW364312,	AW364312, AI209004,	A1476109,	AI446124,	
			SEQ ID NO:1702, b is an integer of	AW084219,		AI567637, AW168485,	AI805638,	
			15 to 545, where both a and b	AW189268,	AI244380,	AIS64515,	AW088903,	_
			correspond to the positions of	AI866002,	AI678021,	AW088899,	AI701975,	
			nucleotide residues shown in SEQ ID	AI359590,	AI696819,	AI817543,	AI365256,	
			NO:1702, and where b is greater	AI358042,	AI610645,	AI682075,	AW409775,	
			than or equal to a + 14.	AI587288,	AI886532,	AW044626,	AI697324,	_
				AI687362,		A1499263, AW151729,	AI280661,	_
				AI537617,	AI611743,	AI612759,	AIS70966,	
				AI915243,	AI633419,	AI537991,	AA603709,	-
				AI288285,	AI866082,	AW089179,	AI690924,	
				AI952302,	AW085786,	AI569309,	AW023338,	_
				AI799199,	AI569328,	AI677797,	AI249877,	_
				AIB90057,	AI471361,	AI648408,	AI539153,	
				AI619716,	AI867042,	AI566630,	AW265004,	
				AI472536,	AI919345,	AW130863,	AW168795,	
				AI366549,	AI636719,	AI866741,	AW002174,	_
				AA807088,	AW118518,	AI829327, AI805688,	AI805688,	
				AW083804,	AI696626,	AW083804, AI696626, AI249946, AI589993	AI589993,	

	_	F		DT741792	ATROOT 28	NETALITY ATRACTA REFORM COLLACTA	AMOSSEGO
		,		AW082600,	AI282504,	AW082600, AI282504, AI598061, AW151785	AW151785,
				AI620868,	N74355, A	W103886, A.	AI620868, N74355, AW103886, AI961310, AW090451,
				AW083189,	AI813919,	AI813919, AW059713, AI969641,	A1969641,
				AI687465,	AI554343,	AI699011, AW193203	AW193203,
				AW189933,			F34958, AI922577, AI874151,
				AI613471,	AI620093,		AI635299, AI680498,
	_			AW151714,	AW129230,	AA830821,	AW089006,
	_			AI274013,	AI699862,	AI890182,	AI282508,
				AI567993,	AI539771,	AI873638,	AI866608,
-		-		AI476371,	AI580674,	AI475394,	AI266436,
_				AI888621,	AI951446,	AW149876,	AI554344,
_				AW078710,	AI470293,	AI567351,	AI631112,
	_			AI491783,			AI540823,
	_			AI698401,			AI952920,
				AI251830,			AI783861,
_	_		•	AW103441,	AI568296,	AI921734,	AW075522,
				AI620287,			A1473528,
				AIS90999,	AI922996,	AI828574,	AW079159,
				AW151750,		AI811912, AI799234,	A1670782,
_				AI280670,		AW409687, AI567302,	AI912866,
_				AI439443,		AW242116, AI697420, AI863357	AI863357,
	_			AI364788,		11828731, A	Z98484, AI828731, AI554484, AI885982,
				AI474107,		AI955604, AI632408, AW151034	AW151034,
	-			AI540821,		AI472422, AW172723, AW170663	AW170663,
				AW089436,		AW081231, AI799195,	AI682720,
•				AW129170,		AW151847, AI696186,	AI590686,
				AI269580,		AI573026, AI587606, AI254727,	AI254727,
				AI343582,		AI468872, AW163823, AW089327	AW089327,
-				AI698427,		NI824746, A	W46547, AI824746, AW079075, AI631212,
				AI433976,		AIS64749, AL110306, AW081255	AW081255,
	-			AI922901,		AW148716, AI627909, AI954075,	AI954075,
	-			AI873604,			AI249962,
				AI801608,		, AI697099,	
				AI929108,		, AI758816,	
				AI336575,		AI689579, AW268261,	AI741926,

	AI400725, AI432	AI400725, AI432790, AI863014, AI932794,
	AW151681, AL031	AW151681, AL031228, D84401, E12645, AF117221,
	D82060, AL11757	D82060, AL117578, AL137556, AL133014, A18777,
	AL080074, AL122	AL080074, AL122098, AL137558, AF012536, 148978,
	A08916, 189947,	A08916, I89947, AL080137, A08913, I89931,
	A08912, A08910,	A08912, A08910, E03348, I49625, E03349, A08909,
-	U42031, AL05013	U42031, AL050138, S77771, AR038854, AL133645,
	A08908, AL13730	A08908, AL137300, X80340, X93495, AF067790,
	AF119337, AF000	AF119337, AF000145, I26207, D83989, U67958,
	Y08769, AL12204	Y08769, AL122045, I66342, AF106657, AL133010,
	U88966, ALO8012	U88966, AL080124, AF162270, AL137292, AL122111,
	L30117, AL08012	L30117, AL080127, AL137705, AB019565, AF017437,
	AF065135, AF210	AF065135, AF210052, AF205861, AF185576, I89934,
	189944, AF11368	I89944, AF113689, E02253, AR059958, U96683,
	X79812, AL13764	X79812, AL137640, S68736, U80742, A12297,
	X96540, A77033,	X96540, A77033, A77035, S76508, AR000496,
	D89079, U39656,	D89079, U39656, I42402, E15569, AF032666,
	AL137463, AL080	AL137463, AL080060, AL137429, AL133067,
	AR038969, AF132	AR038969, AF132676, AF061836, AL137538,
	AF090886, AL137	AF090886, AL137712, AL137527, E02221, AF111112,
	AL137526, X0086	AL137526, X00861, I09360, AL133093, X87582,
	E05822, AF21566	E05822, AF215669, AL122106, X84990, AF017152,
	AL133665, AF125	AL133665, AF125949, A45787, AL133077, AL137658,
	AF030513, AL137	AF030513, AL137294, AF113691, AL110280, A18788,
	A93016, AF07884	A93016, AF078844, AF118070, A93350, Y14314,
	AL080140, S7983	AL080140, S79832, AF022363, AL122121, U72620,
	X72889, A65341,	X72889, A65341, J05032, AL133016, AL137273,
	AL117432, AF104	AL117432, AF104032, I48979, AF003737, X72387,
	E04233, AL11022	E04233, AL110221, AL117440, AL122118, AL049465,
	AL137476, AL050	AL137476, AL050277, AL133104, AF114170, A65340,
	AL133558, Y1158	AL133558, Y11587, U00763, X62580, AL049382,
	AL137574, U7852	AL137574, U78525, AF090901, AL133072, AF113013,
	AF008439, X8146	AF008439, X81464, I41145, S61953, A21103,
-	A08911, AL08008	A08911, AL080086, AF113019, AL049460, E15582,
	AF028823, AF100	AF028823, AF100931, AL122049, L19437, Y16645,
	AF118064, AL137	AF118064, AL137478, AL122050, AL080159,

				AL133640, AL133098, X52128, AF159615, I17544,
	•••			ALLSSSS/, ABOU/BLZ, ALUSOLSS, ASZU/U, US/52U, S69510, AL133075, AF061795, AF151685, AF113676
				ALO96744, AJ003118, AF158248, U49434, AF061981,
				AL133568, AF146568, AL080148, AL133113,
				AL133565, E01614, E13364, AF106862, AF081197,
				AF081195, X53587, AC002467, X82434, A08907,
				AR019470, I33392, Z82022, AF176651, AF183393,
				AF153205, AF106697, A52563, AF139986, A08915,
_				AF057300, AF057299, AL137283, AL117585, Y10080,
				AR068751, S75997, AR029490, Z72491, AL133081,
				AL049452, AL117460, L31396, I80064, AL137521,
_				L31397, S78214, M92439, A15345, AL049464,
				AL117648, AF090934, AF118094, AL137557, U95114,
				AL110196, AL049466, AF118090, AL049314,
				AL080154, I03321, U58996, E06743, A90832
1703	HHPEK59	600228	Preferably excluded from the	AA149062, W55857, AI654104, N91520, AA398769,
			present invention are one or more	AL041623, AA149063, AA307763, AW450873,
	_		polynucleotides comprising a	AI082461, AA709060, W06955, AI079909, AI920841,
			nucleotide sequence described by	AA292830, AI268616, AA191706, AA010085, R07052,
			the general formula of a-b, where a	Z44437, T87013, T12757, Z40368, AA844584,
			is any integer between 1 to 1606 of	AI955471, W55858, AW135814, T52489, N48933,
			SEQ ID NO:1703, b is an integer of	T56321, N46430, AA864954, AI274165, AF027218,
			15 to 1620, where both a and b	AF027219, AF155101
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1703, and where b is greater	
_			than or equal to a + 14.	
1704	HKCTB07	877010	Preferably excluded from the	AF105020
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 391 of	
			SEQ ID NO:1704, b is an integer of	
			15 to 405, where both a and b	

			correspond to the positions of					Γ
			nucleotide residues shown in SEQ ID					
			NO:1704, and where b is greater					
			than or equal to a + 14.					
1705	HFPIZ22	877011	Preferably excluded from the	AI458123,	AA770557,	AA770557, AW299665, AW236534,	AW236534,	
			present invention are one or more	AI952929,	AI340145,	AI340145, AI339835,	AI650682,	
			polynucleotides comprising a	AI472033,	AA256229,	AI472033, AA256229, AI268229,	AA678840,	
			nucleotide sequence described by	AW190757,	AI075831,	AW190757, AI075831, AI631649,	AL138340,	
			the general formula of a-b, where a	AW080424,		AA293773, AI373728,	AA704702,	
			is any integer between 1 to 1578 of	AA677322,	AI033016,	AA677322, AI033016, AW204318,	AA848089,	
			SEQ ID NO:1705, b is an integer of	AI891160,	AA399568,	AA227660,	AI891160, AA399568, AA227660, AI001981, N24286,	
			15 to 1592, where both a and b	AA747722,	AIS37348,	AA747722, AI537348, AW025794, AA218733	AA218733,	
			correspond to the positions of	AI865908,	H98718, Ht	64686, R38	AI865908, H98718, H64686, R38180, R17022,	
			nucleotide residues shown in SEQ ID	N70123, A	I493281, AM	W007482, HT	N70123, AI493281, AW007482, H70397, AW134908,	_
			NO:1705, and where b is greater	AA334373,	W04161, R	09968, AA3	AA334373, W04161, R09968, AA394090, R16715,	
_			than or equal to a + 14.	T77116, W	01375, AI6	90748, AW16	T77116, W01375, AI690748, AW169604, AI624293,	
				AI267162,	AI245731,	AI267162, AI245731, AI273189, AI627988,	AI627988,	
				AI698391,	AI368579,	AI698391, AI368579, AI969655, AW149925,	AW149925,	
				AL046835,	AI690687,	AL046835, AI690687, AI524654,	AI289310,	
				AI868204,	AW051088,	AW051088, AI869377,	AI678446,	
				AI613038,		AIS90043, AI469587,	AA464646,	
				AI589428,	AI590830,	AI590830, AI863382,	AI677797,	
				AI621341,	AW149076,	AW149076, AI536574,	A1538850,	
				AI921254,		AI927233, AI568592,	AIS90423,	
				AW020397,	AI583982,	AI583982, AI950892,	AL045266,	
				AI335208,	AI491775,	AI491775, AI865906,	AI612913,	
				AI888208,	AI670009,	AI670009, AI433157,	AI702073,	
				AI890507,	AI682968,	AI890507, AI682968, AI401697,	AI538564,	-
				AI445611,		AI679266, AI913312,	AI686576,	
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				AL037582,		AL037602, AI815232,	AI281757,	
				AA766116,	AI537677,	AI434731,	AI635634,	
				AI648454,		AI634467, AL036802,	AI540674,	_
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	AI801793, AW075382, AIS	AIS70861, AL040241,
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	AI859991,	AI142101, AI345688,
	AIS00061,	AW102798, AI686817,
	AA572758, AA641818, AI2	AI249389, AI826331,
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	AL079963, AI915291, AW1	AW152182, AW166870, N33175,
	AIS65172, AIS40676, AI8	AI800433, AI888501,
	AL121365, AI889189, R32	R32821, AI345745, AI538885,
		AI612750, AI440239, AL040011,
	AI479292, AIB66469, AI818574,	318574, AL036396,
	AIS00714, AI340519, AI4	AI340519, AI432644, AW193894,
	AI469532, AI872423, AI6	AI872423, AI638644, AL119828,
	AI623941, AI699020, AW3	AI699020, AW302988, AI524179,
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	AF200464, U72620, AL133	AF200464, U72620, AL133557, AP000208, AF017437,

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90/-	HESFB89	8//012	_	AL/9/08L,	ALCOSTED,	A1/9/081, A1669186, A1922/08, A1400881,	AL400881,	
			present invention are one or more	AA156853, AA062971, AW027338, AA431360,	AA062971,	AW027338,	AA431360,	
			polynucleotides comprising a	AI091639,	AI627975,	AI091639, AI627975, AI358574, AI202381,	AI202381,	
			nucleotide sequence described by	AA255522,	AW086138,	AA255522, AW086138, AA890259, AA806628,	AA806628,	
			the general formula of a-b, where a	AA255565,	AI367251,	AA255565, AI367251, AA088310, AA765366, D63210,	AA765366,	D63210,
			is any integer between 1 to 1428 of	AI796381,	H48099, H4	AI796381, H48099, H48098, AA720634, AL079437,	20634, ALO	79437,
			SEQ ID NO:1706, b is an integer of	AI758780,	AI911927,	AI758780, AI911927, AW022560, AA256707,	AA256707,	
			15 to 1442, where both a and b	AA737329,	AA255588,	AA737329, AA255588, AA877667, AA455364, AA813874	AA455364,	AA813874
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1706, and where b is greater					
_			than or equal to a + 14.					
1707	HCRND67	877013	Preferably excluded from the	AA648907,	AW001743,	AA648907, AW001743, N40531, AI978754, AI446119,	1978754, A	1446119,
			present invention are one or more	AI949312,	AA252030,	AI949312, AA252030, AA521447, AW024768	AW024768,	
			polynucleotides comprising a	AI039260,	AI962419,	AI039260, AI962419, AI935656, AI416968,	AI416968,	
			nucleotide sequence described by	AI361764,	AA860961,	AI361764, AA860961, AI127900, AI936802,	A1936802,	
			the general formula of a-b, where a	AI761487,	AI580311,	AI761487, AI580311, AI917267, AW024010,	AW024010,	
			is any integer between 1 to 794 of	AI189597,	AI864624,	AI189597, AI864624, AA131263, AI351462,	AI351462,	
			SEQ ID NO:1707, b is an integer of	AI422420,	AA904280,	AI422420, AA904280, AI636058, AA931114	AA931114,	
			15 to 808, where both a and b	AA648498,	AI767707,	AA648498, AI767707, AW262532, AA191430	AA191430,	
			correspond to the positions of	AI312828,	AA860568,	AI312828, AA860568, N46577, AA804488, AI680207,	A804488, A	1680207,
			nucleotide residues shown in SEQ ID	AA628794,	N45139, A	AA628794, N45139, AI694810, AA574232, AI522273,	A574232, A	1522273,
			NO:1707, and where b is greater	AI362932,	N46583, A	AI362932, N46583, AA364681, H91961, N40538,	91961, N40	538,
			than or equal to a + 14.	W22178, HS	9173, W22	W22178, H99173, W22807, AA829581, AL046944,	581, AL046	944,
				R79750, AC005325	2005325			
1708	HSPA101	877014	Preferably excluded from the	AI378753,	N35689, A	AI378753, N35689, AW207088, AW151846, W49562,	W151846, W	149562,
			present invention are one or more	AI457284,	N35406, W	AI457284, N35406, W49563, AA334557, R58493,	34557, R58	493,
			polynucleotides comprising a	H24416, A	[678442, A	H24416, AI678442, AI791556, AA242954, R30676,	A242954, R	30676,
			nucleotide sequence described by	AW022665,	R47185, A	AW022665, R47185, AL031652, L41349, L13935,	41349, L13	935,
			the general formula of a-b, where a	L13936, L3	13937, L13	L13936, L13937, L13938, AL117633, L15556,	633, L1555	,9,
			is any integer between 1 to 1041 of	L18962, A	3027571, A	L18962, AF027571, AF031370, U57836	57836	
			SEQ ID NO:1708, b is an integer of					
			15 to 1055, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1708, and where b is greater					

			than or equal to a + 14.					
1709	HOSXA83	877015	Preferably excluded from the	AA100220,	AA100220, AI167817, AA113216, AA324768,	AA113216,	AA324768,	
			present invention are one or more	AA085997.	AA085997, AA149087, AI493421, AA629345,	AI493421.	AA629345,	
			polynucleotides comprising a	AA625949	AA625949, AA149086, AA669959, AA431870,	AA669959.	AA431870.	
			nicleotide segmence described by	AT866312	77866312 728464 4 4 172371 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	44 172371 AV	4173386 A	7183937
			the constraint of a think of the	רבסרכצעע	120000CKK	00000014		C 2 2 2 2 2 2 4 4
			cire general lotinula or a-b, where a	WASTO / T'	AA4310/1, AA20233/, ABUSBSUB, AIZ/196U, AAUBSB43	ALUSOSUB,	A12/1960,	AA083643
			is any integer between 1 to 1030 of					
			SEQ ID NO:1709, b is an integer of					
			15 to 1044, where both a and b					
			correspond to the positions of					
		•	nucleotide residues shown in SEO ID					
			NO:1709, and where b is greater					
			than or equal to a + 14.					
1710	HAVTF85	877018	Preferably excluded from the	AL037339,		AA811927, AI720889, AA926797,	AA926797,	
			present invention are one or more	AL039480,	AL039480, AA442561, AA858311, AI566218,	AA858311,	AI566218,	
			polynucleotides comprising a	AA846839,	AA846839, AI583216, AI635043, AA699924,	AI635043,	AA699924,	
			nucleotide sequence described by	AI192601,	AI192601, W69310, AI262270, AA526986, AI304664,	1262270, A	A526986, A	I304664,
			the general formula of a-b, where a	AI310345,	AI310345, W69206, AI147372, AA973817, AI431515,	1147372, AJ	A973817, A	I431515,
			is any integer between 1 to 881 of	AI818856,	AI818856, AI033497, AA983644, AW129307,	AA983644,	AW129307,	
			SEQ ID NO:1710, b is an integer of	AA701244,	AA701244, AA926804, AA630163, AI289870,	AA630163,	AI289870,	
			15 to 895, where both a and b	AI061307,	AI061307, AA554361, AI566853, AI262295,	AI566853,	A1262295,	
			correspond to the positions of	AA031671,	AA031671, AI092076, AI280857, W73760, AW074354,	A1280857,	W73760, A	W074354,
			nucleotide residues shown in SEQ ID	AI924486,	AI924486, AI367351, AA304674, N75814, AA678529,	AA304674,	N75814, A.	A678529,
			NO:1710, and where b is greater	AA130266,	AA130266, AA808417, W68377, N50405, AA831659,	W68377, N	50405, AA8	31659,
			than or equal to a + 14.	AA907418,	AA907418, N50457, T89689, N75514, AI244342,	89689, N75	514, AI244	342,
				AI445788,	AI445788, AA365398, R55802, AA853796, AI632051,	R55802, A	A853796, A	1632051,
				AA291486,	AA291486, R28626, W68336, H29812, R52537,	68336, H29	812, R5253	7,
				R42369, H	R42369, H02369, F02630, AI686839, AA188995,	630, AI686	839, AA188	995,
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				AI471055,	AI471055, AA190445, AI567050, AA031670,	AI567050,	AA031670,	
				AI246665,	AI246665, AI658622, R33489, AI932403, AL041862,	R33489, A	I932403, A	L041862,
				AI452556,	AI452556, AI923989, AWI88793, AL042745,	AW188793,	AL042745,	
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				AL079977,	AL079977, AI815232, AL046926, AL040243,	AL046926,	AL040243,	
				AI434223,	AI434223, AL047675, AI866573, AL042628,	AI866573,	AL042628,	

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	AW088134,	AI539153,	A1698391,	AI612885,	

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	-		AF132676, AF061836, X52128, U78525, AL137488
1711 HTEP345	145 877019	_	AW135340, AI908516, AW003833, AI692953,
		present invention are one or more	AI693316, AW242982, AI194008, AI672260,
		polynucleotides comprising a	AI497695, AW242975, N63914, AW242988, AI341520,
		nucleotide sequence described by	AI972371, AI373504, AA705554, AI633950,
-		the general formula of a-b, where a	AI276537, AA699365, AI989919, AW204605, H11413,
		is any integer between 1 to 1600 of	W00441, AA279329, AI656862, AI961706, AA455604,
		SEQ ID NO:1711, b is an integer of	F28946, AI678125, W20411, N98286, H08430,
		15 to 1614, where both a and b	AA455968, W32633, AA528280, AI702940, H85245,
		correspond to the positions of	T95059, H08429, F13395, T81953, F37163,
		nucleotide residues shown in SEQ ID	AA215977, AA301556, T95155, F11101, T77655,
		NO:1711, and where b is greater	H11389, AA279895, AW196491, AI915713, N80005,
		than or equal to a + 14.	AA806720, AI802542, AI624279, AW198090,
			AIS84140, AI890223, AI612913, AI648509,
-			AI439717, AI572676, AI702406, AI497733,
			AW104724, AI886124, AL121328, AI254731,
			AI224027, AW087445, AW168795, AI934011,
			AI539687, AI537677, AW262565, AI569616,
			AI801766, AI610402, AW071349, AI811344,
			AI520785, AI680498, AI591316, AI554818,
			AI468872, AA225339, AI269205, AI566670,
			AI824746, AL079963, AI433976, AI269862,

AIS54427, AW132056, AL119863, AL040243, AIS00077, AIG37584, AIS59296, AIB59511, AI890833, AI926790, AL045266, AL134830,	AIS67846, AI491852, AI364788, AI873604, AW170635,
	A1491852, A1364788, A1873604, AW170635,
	AI364788, AI873604, AW170635,
	AI873604, AW170635,
	AW170635,
	7000
	AI677796, AW130776,
AIS69583, AW026882,	AI538085, AW149311,
AI433157, AI702073,	AI284484, AI273048,
AI934036, AI679990,	AI868831, AI950664,
AI475371, AI571909,	AI247193, AI498067,
AI280747, AW023590,	AW088903, AI633419,
AI280751, AI540832,	
AI627360, AI318280,	AI633125, AW150578,
AI673785, AI439745,	AI536638, AI590120,
AI274508, AW302988,	AI863014, AL036361,
AI537024, AI610362,	AI274013, AI590118,
AI815855, AL046944,	
AI702068, AI269696,	
	AI475394,
	AIS00659,
	, AL047763, AI590021,
AI801325, AI500523,	
AL121270, AI270707,	, AA470491, AI857296,
AIS00706, AL039276,	
AIS36685, AI491776,	, AI445237, AI349004,
AW151138, AI696612,	, AI828731, AI570989,
AW268220, AL043326,	, AI524671, AW008048,
	AI554344, AI955917, AI570909,
	AI572787, AI445025, AI433037,
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	AL121463, AI884469, A	AI884469, AI648684, AI612759,
	AI560099, AI064830, A	AI064830, AA835801, AL043975,
	AI469532, AI500146, A	AI500146, AI680165, AI573032,
	AI872711, AW148716, A	AI872711, AW148716, AF013168, D87683, AC002096,
	I89947, Y16645, AL122	I89947, Y16645, AL122050, AL137550, I48979,
	AL133557, I48978, AL1	AL133557, I48978, AL110221, AF090943, AF017437,
	AF111851, AL050393, AL117460, AL117435,	L117460, AL117435,
	AF090934, A08916, AL1	AF090934, A08916, AL122123, Y11254, AL137459,
	X84990, A08913, AL049	X84990, A08913, AL049382, AF090900, AF090903,
	AF118070, AL133075, AF113677, AL080124,	F113677, AL080124,
	AF158248, AF113019, A	AF158248, AF113019, A65341, S68736, AL137527,
_	189931, AL117457, I49	I89931, AL117457, I49625, AL050138, AF113694,
	U42766, AF113690, AL1	U42766, AF113690, AL133080, AL117585, AL050149,
	AF090901, A77033, A77	AF090901, A77033, A77035, AL049452, AL122093,
	X82434, AL137557, ALC	X82434, AL137557, AL050116, AF146568, AF104032,
	S78214, AL110196, AJC	S78214, AL110196, AJ000937, AF079765, AL049314,
	AF017152, AL096744, AL133016, AF078844	L133016, AF078844,
	AL133606, E07361, AL1	AL133606, E07361, AL133640, E02349, AF113676,
	AL080137, Z82022, AF1	AL080137, Z82022, AF125949, AF090896, X63574,
	Y11587, AF113013, L31	Y11587, AF113013, L31396, L31397, AF091084,
	AF106862, AL050277, A	AF106862, AL050277, A08910, AF177401, AL122121,
	E03348, AF183393, AF1	E03348, AF183393, AF125948, AL050108, AF118064,
	AF113691, AL049466, 7	AF113691, AL049466, A93016, AL133560, AJ238278,
	AL050146, AL110225, AL137283, AF113699,	AL137283, AF113699,
	AL117394, AL080060, AB019565, AL133565,	AB019565, AL133565,
	AL049464, AF113689, AL133093, AR059958,	AL133093, AR059958,
	AR011880, AJ242859, F	AR011880, AJ242859, AL049300, AF097996, E07108,
	AL049938, AL117583, 1	AL049938, AL117583, U91329, AF118094, X93495,
	A58524, A58523, I33392, A08909, AL122098,	32, A08909, AL122098,
	AL133113, AL050024, 7	AL133113, AL050024, AL049430, AL122110, U00763,
	AL137271, AL137538, >	AL137271, AL137538, X70685, AL137648, I03321,
	X72889, AL137463, A08	X72889, AL137463, A08912, AL080127, A12297,
	U35846, AJ012755, U8	U35846, AJ012755, U80742, AF000145, X96540,
	U72620, A03736, X6587	U72620, A03736, X65873, AF061943, AF067728,
	AF119337, AL049283, 7	AF119337, AL049283, AL080159, AL133014, X98834,
	AF087943, AL133568, AL133072, AF111112,	AL133072, AF111112,

				AL122049, AL137521, I09360, AR000496, U39656, U44202, E08263, E08264, AL122111, AL133067, U67958, AL110197, E1559, ASJ350, AL137533, AL137523, AR057299, AR026124, AL137523, AR057293, AR026124, AR137525, U58996, AR073799, AR03707, E05822, AL137560, AL137680, AR013797, X09972, AR026186, I002074, E006172, S61953, AL1337556, AL137556, I00334, E00617, E00717, E00778, U68387, E02221, I66342, A08911, Z37987, AC006371, Y14314, AR038869, A07647, AL130280, AL137429, AL080074, Z72491, AL137292, AL133746, Y10655, AR000373, U78525, AL080148, U56683, AL133104, AR100931, E06743, AL136276, AR185576, X87582, AL13767, A45787, AR06591, AL123118, Y07905, AR065173, AL13365, AL13746, AR038854, AC05592, AL122045, AR095901, AJ006417, E04233,
1712	HOSBX95	877020	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 516 of 580 ID NO:1712, b is an integer of 15 to 530, where both a and b correspond to the positions of nucleotide residues shown in 580 ID NO:1712, and where b is greater	AL133081, 109499, AL110222, L30117 AW393918, N56766
1713	HSIFP30	877022	than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a	AI678780, T98311, R10554, AF209389

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is any integer between 1 to SEQ ID NO:173, b is an integent correspond to the positions of nucleotide residues shown in NO:1713, and where b is great than or equal to a + 14. HE9HL05 877023 Preferably excluded from the present invention are one or polynucleotides comprising a nucleotide sequence describe the general formula of a-b, is any integer between 1 to SEQ ID NO:1714, b is an integer by the presence of the and correspond to the positions of nucleotide residues shown in NO:1714, and where b is great than or equal to a + 14.	more where a where a be	X90579, MI3785, AF182273, L26985, X54915,
	 	-

				AF204959, AF185589, DIII31, S74699, S74700, L35912, I12087, AF067420, A94751, U77594, AL137561, AC004455, AF109906, U92068, A69673, A69681, U89906, AF106934, AF055612, AL133645, AR0681182, AL137659, AC005284, AC007370
1715	Н WL <u>M</u> B91	877024	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 577 of 550 ID No:1715, b is an integer of 15 to 591, where both a and b correspond to the positions of nucleotide residues shown in 5EQ ID No:1715, and where b is greater than or equal to a + 14.	AII88270, AI742085, AII67453, AW204725, R53616, R48325, AA347732, AW341017, AA579588, P35057, AA768452
1716	номевл	877025	Preferably excluded from the present invention are one or more prosent invention are one or more polynuclectides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1960 of 520 ID NO:1716, b is an integer of 15 to 1974, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1716, and where b is greater than or equal to a + 14.	AI762892, AI760766, AI174624, AW081757, AI824008, W94214, AI189223, AA47177, AI927354, AA443809, AI307319, AI29959, A3980982, W81043, A1394550, A8605197, AW390982, AI16882, W81079, N56763, AW374587, W72920, AI538814, AW079505, AW137328, AA629096, AI689821, AI767317
7171	HCYBN69	877026	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 545 of SEQ ID NO:1717, b is an integer of	AA127756, AA769607, AA305740, AW403303, AA361909, D81026, D81030, C14389, D80522, C15076, D80133, D80166, D80193, D80212, D59502, D80195, D80022, D80164, AW377671, D80391, C14331, D59787, D59619, D80038, D80210, D80196, D58283, D80569, D80240, D59467, D59275, D59559, D80227, D59927, D80219, D51423, D51799, D80253,

	15 to 559, where both a and b	D80366, D80043, D57483, D80188, D50979, D80045,
	correspond to the positions of	D80248, D80378, D59889, D80024, D80258,
	nucleotide residues shown in SEQ ID	AA305409, D59610, D50995, C14429, D59627,
	NO:1717, and where b is greater	D80251, D80241, D80268, AA305578, D51060,
	than or equal to a + 14.	D59373, D51022, C06015, AA514188, C75259,
_		AW177440, D80014, D80439, D80302, C14014,
_		AW360811, AW178893, AA514186, D80247, T03269,
		D80132, AW375405, T02974, D80157, AW179328,
		D51213, D59503, AW178983, AW378532, AW366296,
		C14227, C14077, AW360844, D58101, AW360817,
		AW375406, AW377676, D51103, AW378534, AW179332,
		AW377672, AW177501, AW179023, C05695, AW178905,
		AW177511, AW137066, AW178906, D80064, D81111,
		AW178762, D80134, D51250, D51759, AW176467,
		AW352171, AW352170, D58253, AW360834, AW177731,
		AW178775, AW178907, AW378528, AW179019,
		AW179024, AW369651, AW367967, AW352158,
_		AW177505, AW360841, AW352117, AI243347,
		AW179020, AI239543, AW178909, AW177456,
		AW179329, AW178980, AW178914, AW177733,
	-	AW178908, AW178754, AW179018, F13647, T48593,
_		C14407, D59653, AW179004, AW179012, AW178774,
		AW378525, AW352163, AI910186, AW352120,
		AW352174, AA805151, C14298, D45260, D80168,
		AW179009, AI905856, AW178911, AW378543,
		AW177722, AW177728, C03092, D58246, AW378540,
		AW378539, AW367950, AI557751, AI525923,
		AA809122, H67854, T11417, H67866, AW178781,
		AW177508, AIS57774, T03116, D59695, D59317,
		D80949, AI525917, Z21582, AI535850, AW178986,
		AW177497, D45273, D52291, AW177723, C14344,
		AI535686, D59474, AW179011, D59551, C14973,
		AA514184, AW378533, AA285331, D51221, T03048,
		AI525920, AW177734, D60010, D60214, AI525227,
		D51097, D51079, C14957, C14046, AI525925,
		AI525242, AI525235, AI525222, AI525912,

			AIS2SZIS, AW378542, CI3958, CI6955, C05763,
			233452, ACUUSU35, ABUI3385, ALLI3//55, AFU3830U,
			AB014587, U88984, A84916, AR018138, AJ132110,
			A62300, A62298, AF058696, AB028859, AR008278,
			A82595, A67220, AR060385, AB002449, X67155,
			Y17188, D26022, A25909, Y12724, D89785, A78862,
			D34614, A94995, D88547, AR008443, I50126,
			I50132, I50128, I50133, I82448, X82626,
_			AR016808, AR066488, AR016514, AR060138, A45456,
			I14842, A26615, AR052274, AR038669, AR025207,
			Y09669, A43192, A43190, AR066487, A30438,
			AR054175, D50010, AR066490, Y17187, I18367,
			A63261, AR008277, AR008281, AR008408, AR062872,
			A70867, AR016691, AR016690, U46128, AB012117,
_			D13509, X68127, I79511, A64136, A68321,
-			AR060133, A85396, D88507, AR066482, A44171,
			A85477, I19525, A86792, X93549, U79457,
			AF123263, X72378, AR032065, AR008382
1718 HWLWN2	877027	Preferably excluded from the	AI301935, AI760340, AI921888, N30193, AA748734,
4		present invention are one or more	AI743279, AI284147, AA648777, AW304324,
		polynucleotides comprising a	AI916877, AA732729, AA971316, AI218098,
		nucleotide sequence described by	AA993916, AA504339, R66801, AA648769, R67901,
		the general formula of a-b, where a	N40188, R27573, R27672, AI802542, AW403717,
		is any integer between 1 to 820 of	AI440239, AI919345, AI612913, AI619502,
		SEQ ID NO:1718, b is an integer of	AI564719, AL048656, AL040243, AW026882,
		15 to 834, where both a and b	AI433157, AL047763, AI270055, AI499393,
-	_	correspond to the positions of	AI249497, AI445025, AL045500, AI475371,
		nucleotide residues shown in SEQ ID	AI811344, AI539771, AI635942, AI912288,
		NO:1718, and where b is greater	AI934011, AI560099, AW104724, AW071417,
		than or equal to a + 14.	AW129659, AI805638, AI521012, AI702433,
			AW103371, AL119863, AI889376, AI648663,
_			
	_		AL047042, AI884469, AI637584, AI499131,
			AI625079, AW082040, AL119791, AI497733,
			AI635461, AI318280, AI445432, AI340627,
			AI536685, AI587114, AL043293, AI954183,

	ATCR7728	880C0EWA	ATRICREC	71524671
				A161064E
				AIGIOGES,
	A1520284,	AIBIBBB3,		AW1696/1,
	AI687127,	AW301409,	A1573032,	AI687362,
	AW090013,	AI866608,	AL036361,	AI682971,
-	AI633419,	AI921248,	AI469532,	AI498579,
-	AI866002,	AI433976,	AI828731,	AW166970,
	AI580190,	AI432969,	AW102785,	AI612759,
	AL049085,	AI696398,	AIS71909,	AI677796,
-	AI799470,	AI909697,	AL045163,	AI636719,
	AI539153,	AA640779,	AW238730,	A1439745,
	AI471712,	AL121463,	AA572758,	AI702073,
	AL036802,	AI926790,	AI591316,	AI952360,
	AW268220,	AI654750,	AW020693,	AI340603,
	AI697137,	AI537677,	AI922901,	AI349004,
	AI312428,	AW075667,	AW075667, AI815232,	A1269696,
	AI888501,	AI812107,	AI812107, AI800453, AI340582,	AI340582,
	AI800433,	Z99428, A]	[888953, A]	Z99428, AI888953, AIS67128, AW075413,
	AIS70781,	AIS67993,	AI567993, AI349645, AW074869	AW074869,
	AI590120,	AW149227,	AW149227, AL036274,	AI345131,
	AW087534,	AI309401,	AW103893,	AI561299,
	AL036403,	AW148408,	AI343112,	AL121014,
	AI284517,	AW071349,	AI207572,	AL121270,
	AW301300,	AI349598,		AW075207,
	AI636456,	AI648684,	AW151136,	AI345735,
	AI554427,	AL036396,	AI536638,	AI349933,
	AI250293,	AI524526,	AL047041,	
	AL036980,	AI445165,	AI348897,	AA427700,
	AW148716,	AI702406,	AI174394,	AL041573,
	AI313320,	AL038605,	AI610690,	AI500077,
	AW302992,	AW089572,	AI609594,	AI862144,
	AI312146,	AI312339,	AI284131,	AI269862,
_	AI366549,	AW086113,	AI869367,	AIS20785,
	AI887396,	AI610307,		AW268253,
_	AI887659,	AL036146,	AW301505,	AI753683,
	AA835801,	AA835801, AL045266,	AL079963,	AI434281,

		AL041772, AI783504, AL036214, AW149311,
		AW148320, AW087445, AA470491, AI828682,
		AI349772, AI224992, AW088903, AA225339,
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		AW022682, AI567351, AW074993, AW302965,
_		AC006313,
•		AF125948, AF104032, AF090934, U42766, AC006222,
		AL133640, AF017152, AF090903, AL117457, A08916,
		AL050149, AF090943, AL117460, AF090901,
		AF090900, AL050116, I48978, X84990, AL133606,
		AF118070, AF113013, S78214, A08913, I89931,
		AL110221, Y16645, AF118064, AL122050, AF177401,
		AF113694, AL049452, AL133557, AF113690,
		AF113019, AF113677, Y11587, AL080137, AL122123,
		AF113699, AL133016, E03348, AF113689, AL049430,
		AR059958, AF158248, AF146568, AC006482,
		AL122121, AL137557, I49625, AL133075, Y11254,
		AL050108, AL110196, AL049314, AJ000937,
		AL133080, AF125949, AL050393, AL133565, X63574,
		AL080060,
		AL050024, E04233, X70685, AF113691, AL096744,
		AL133560, AL050146, AL137527, AR011880,
		AL137283, AJ242859, AL080124, AF090896,
		AL049382, AF111851, AF113676, AL117394,
		AB019565, AL049466, AL133093, A65341, AJ238278,
		U00763, AF091084, I03321, AF097996, AL049464,
		A08909, X96540, AC006501, L31396, AL110225,
		L31397, AL122110, AL117583, X72889, E07361,
		X82434, AL117585, AL133113, X65873, AL137521,
		AF017437, AL137550, AL050138, AL117435,
		AF079765, U91329, A58524, A58523, AL049283,
		E07108, AF087943, E02349
1719 HOSOZ37 877029	129 Preferably excluded from the	AA452295, AI700341, AA039713, AW274555,

			present invention are one or more	AW118151, AI684403, AI040232, AI435785
			polynucleotides comprising a	AW023346, AA039712, AI932286, AI089086,
			nucleotide sequence described by	AW021748, AA582100, AW020316, AW300014,
			the general formula of a-b, where a	AA886794, AI492312, AI492311, AL034350
			is any integer between 1 to 792 of	
			SEQ ID NO:1719, b is an integer of	
			15 to 806, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1719, and where b is greater	
			than or equal to a + 14.	
1720	HCROD37	877030	Preferably excluded from the	
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 491 of	
			SEQ ID NO:1720, b is an integer of	
			15 to 505, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1720, and where b is greater	
			than or equal to a + 14.	
1721	H2LAF20	877031	Preferably excluded from the	AI474074, AA313945, AW382674, AI475856, D81026,
			present invention are one or more	D80522, D80166, D59619, D80210, D80240, D80133,
			polynuclectides comprising a	C14389, D81030, D80219, D51423, AA305409,
			nucleotide sequence described by	D80195, D80212, D59859, AW377671, D51799,
			the general formula of a-b, where a	D80253, D80164, D80251, D58283, D80022, D80248,
			is any integer between 1 to 665 of	
			SEQ ID NO:1721, b is an integer of	
			15 to 679, where both a and b	
			correspond to the positions of	D80038, D59927, AA305578, D51060, D80269,
			nucleotide residues shown in SEQ ID	D51022, D50995, AA514186, D80241, D80045,
			NO:1721, and where b is greater	D80378, AW177440, C14014, AA514188, C14429,
			than or equal to a + 14.	AW178893, AW360811, D59373, T03269, T11417,
				C75259, AW179328, C14077, AW375405, C05695,

	D80132, AW378532, D80268, AW366296, AW360844,
	AW360817, AW177501, AW375406, AW177511, D80439,
	AW378534, D80302, AW179332, AW377672, AW179023
-	AW178905, D80134, AW178762, D58253, D51250,
_	AW178980, AW178775, AW352171, AW377676,
	AW352170, AW177731, D80247, AW178907, AW369651
	AW179019, AW179024, D59627, D80258, AW352158,
	AW177505, AW352117, AW178906, AW176467,
	AW179020, AW360841, C06015, AW178909, AW177456,
	AW179329, AI910186, AW17733, AW378528,
	AW178908, AW178754, AW179018, AW352174, F13647,
_	D80157, AW179004, D58246, D58101, AW179012,
	AI738909, AW178914, D80014, AW378525, D51103,
	AW367967, D51759, D51213, AW378543, D59503,
	AW177728, AI905856, AW179009, AW178774,
	AW178911, AW177722, AW352163, D80064, D59653,
	Z21582, AW360834, AW178983, D81111, AW178781,
	T48593, AW378540, D45260, C14227, AW177723,
_	AW352120, T02974, C14975, H67854, H67866,
	AI535850, AA285331, AW378533, AW367950, D51097,
	C14298, C03092, AA809122, AW177508, AI525923,
_	C14407, T03116, D51221, AI525917, D80228,
	AW178986, AW177497, D59317, AI557774, D59474,
_	D45273, C14973, AW177734, AI557751, AI525920,
	C14344, D50981, AA514184, AI525215, AW378539,
	AW270229, D60010, C14957, D80168, AIS3S686,
	AI525235, D59551, D60214, AI525227, C14046,
	D80949, AI525912, T03048, D59695, AI52522,
	AI525242, D52291, AW378542, AI525925, D51079,
	D51053, C16955, AIS35961, C05763, Z33452,
	H67858, Z30160, AF067806, AF056490, AR008278,
	A62298, AR018138, A84916, A62300, AJ132110,
	AF058696, AB028859, X67155, Y17188, D26022,
	A25909, Y12724, A67220, D89785, A78862, D34614,
	A82595, D88547, AR060385, A94995, X82626,
	AR008443, AB002449, AR025207, IS0126, IS0132,

AA633529, AA307645, AL137945, R78416, AA143592, AA699829, AA130430, R23973, AA204937, T58303,	Preferably excluded from the present invention are one or more	877037	HMCHW1	1724
	than or equal to a + 14.			
	NO:1723, and where b is greater			
	nucleotide residues shown in SEQ ID			
	correspond to the positions of			
	15 to 852, where both a and b			
	SEQ ID NO:1723, b is an integer of			
	is any integer between 1 to 838 of			
	the general formula of a-b, where a			
	nucleotide sequence described by			
	polynucleotides comprising a			
	present invention are one or more			
AA307890	Preferably excluded from the	877034	HS2SG18	1723
	than or equal to a + 14.			
	NO:1722, and where b is greater			
	nucleotide residues shown in SEQ ID			
	correspond to the positions of			
	15 to 619, where both a and b			
	SEQ ID NO:1722, b is an integer of			
	is any integer between 1 to 605 of			
	the general formula of a-b, where a			
	nucleotide sequence described by			
	polynucleotides comprising a			
	present invention are one or more			
	Preferably excluded from the	877032	HCROD15	1722
AF123263. AR032065. AR008382				
A86/92, AKU528/2, A/U86/, A93549, D135U9,				
AR066482, A44171, A85477, AR008408, I19525,				
AR008277, AR008281, A63261, A85396, D88507,				
114842, AR054175, D50010, Y17187, X68127,				
AR016691, AR016690, U46128, AB012117, I18367,				
AATTON ADDRESS ADDRESS AND ADDRESS AND ADDRESS AND ADDRESS ADDRESS ADDRESS ADDRESS AND ADD				
IDOLZS, IDOLZS, AKODOGES, AKOLOSIE, AKODOLSS,				

	polynucleotides comprising a	AA205080, AI581369, AA130456, H03662, R77222,
	nucleotide sequence described by	C05254, H75671, H70965, AA134504, AI733734,
_	the general formula of a-b, where a	AA133084, AI733757, AA088546, AA553526,
	is any integer between 1 to 683 of	AA843823, AW392930, AI522161, AA055592, R66492,
	SEQ ID NO:1724, b is an integer of	R31147, AI820789, AI732411, T92637, H39731,
	15 to 697, where both a and b	W38856, AI499378, AA151971, AI940502, AA085899,
	correspond to the positions of	AA224498, AA479719, AA100721, AP000365, M27826,
	nucleotide residues shown in SEQ ID	AL050348, AL035419, AC005276, AL121782,
	NO:1724, and where b is greater	AL080316, AC007617, AC010168, AC008069,
	than or equal to a + 14.	AC000064, AC002984, AB020874, AC007401,
		AC007566, AC005150, AC005145, AC007022,
		AC000114,
		AC006146,
_		AC002530, AF130342, AL035408, AC002066,
		AC007681, AC008134, Z92543, AJ133269, AC005386,
		AL049546, AC004998, D11078, AC004986, AL035698,
_		AC006502, AL031256, AC004823, AC007876,
		AC005090, AC004514, AC005837, AC003013,
		AL009031, AC007463, AC009946, AC006364,
		AC007250, AC005410, AC004875, AL109620, M18048,
		Z82210, AL139054, AL022068, AL121718, AC007381,
		AL049872, AF118808, AC005699, AL031671,
		AL023877, AC005036, AL009050, AC003009,
_		AL034409, AC004925, AC007870, AC004768,
	-	AC004456, AL133224, AF146191, AF212831,
		AC005307, AF053936, Z71183, AC012380, AC007486,
		AC007537, AC004072, AL133321, AC003078,
		AC007450, AB020871, AL021327, U80460, AC008062,
		AC007106, AL021940, AF070717, AL024495,
		AC004103, AC005234, AC004025, AC004817, Z78021,
		AC005392, AC007001, AL035610, AC002384, U95626,
		AC007785, Z99495, AL109809, AF149773, AF068862,
_		AC005102, AC005154, AL050339, AC004835,
		AL034452, AC005531, AC005576, AC004915,
	-	AL109967, AC004617, AP000230, AP000144,

				AL022318,	AL022318, AC004858, AC007276, AF109907,	AC007276,	AF109907,
				AC004510,	AC004510, AC011604, AC005723, AL079352,	AC005723,	AL079352,
				AC002326,	AL132987, AF011889, AL049544,	AF011889,	AL049544,
				AP000013,		AL050325,	AC007182,
				AL035690,		AC004924,	AC006582, AC004924, AC007447, Z76735,
				AC006459,	D87055, AC	004472, AF	D87055, AC004472, AP000501, AC005002,
				AF205592,		AL133371,	AF026248,
				AF026254,	AF026249, AL022330, AC004032,	AL022330,	AC004032,
				AF108842,	AF108842, AF110315, AF108841, AF108843,	AF108841,	AF108843,
				AC007280,	Z83818, AL	034350, DI	AC007280, Z83818, AL034350, D10083, AC003007,
1775	HWI VS52	877043	braferably excluded from the	AC003632,		AF 0640/3,	AFU540/4, AFU540/3, ACU0/556, ACU04889
_	11 W L V 332	0	process insertion are one or more				
			present invention are one of more				
			polynucieotides comprising a				
			nerectide sednence described abi				
			the general formula of a-b, where a				
			is any integer between 1 to 454 of				
			SEQ ID NO:1725, b is an integer of				
			15 to 468, where both a and b				
			correspond to the positions of	-			
			nucleotide residues shown in SEQ ID				
			NO:1725, and where b is greater				
			than or equal to a + 14.				
1726	HCRPG56	877044	Preferably excluded from the	N23653, A	1608674, AC	006432, AC	N23653, AI608674, AC006432, AC009533, AC008013
			present invention are one or more				
			polynucleotides comprising a				
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 468 of				
			SEQ ID NO:1726, b is an integer of				
			15 to 482, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1726, and where b is greater				
			than or equal to a + 14.				
1727	HTAHC75	877046	Preferably excluded from the	AI916318,	AI916318, AI698170, AI346506, AA481006	AI346506,	AA481006,

			present invention are one or more	AW006462, AI808371, AI492123, AI860659,	
			polynucleotides comprising a	AW083792, AI298294, AI377296, AI299866,	
			nucleotide sequence described by	AI143985, AI832385, T66213, AA315944, AA774467,	74467,
			the general formula of a-b, where a	AA481745, AA745359, N78840, AA744416, AA035644,	135644,
_			is any integer between 1 to 1883 of	AW236811, AI693629, AI299645, R54532, AA987358,	87358,
	-		SEQ ID NO:1727, b is an integer of	AA745453, AW136153, AI889513, AI917565, H28998,	128998,
		_	15 to 1897, where both a and b	AI459849, R55684, R99148, AA975345, R45317,	.7,
			correspond to the positions of	H08045, AA992883, AI122963, AA987223, H18288,	3288,
		_	nucleotide residues shown in SEQ ID	AI681364, R55685, F09827, H46943, AW418590,	,00
			NO:1727, and where b is greater	R88200, AI745480, H48447, AA744390, Z45158,	.8,
			than or equal to a + 14.	AW192055, AA972155, R14680, F04052, AA827984,	,984,
		_		F12197, H26802, T29943, AA295772, R38093,	
				AI290682, AL047550, T07816, AA355247, H07939,	1939,
				H69808, R38173, T85773, R54435, AA508768,	_
				AI382544, R20497, AI984917, AW294367, AA090326,	190326,
				H51338, F11088, AA916514, T77104, R42403,	
_				N84369, T66146, AI910252, AI127423, AW131840,	.840,
_				AA702500, AA300937, AF007155, AA508781	•
1728 F	HCRPH26	877047	Preferably excluded from the	AF118076	
			present invention are one or more		
			polynucleotides comprising a		
			nucleotide sequence described by		
	-		the general formula of a-b, where a		
			is any integer between 1 to 509 of		
			SEQ ID NO:1728, b is an integer of		
			15 to 523, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1728, and where b is greater		
			than or equal to a + 14.		,
1729 H	HWLWL67	877049	Preferably excluded from the	AI375746, AI620255, AI739424, AW008095, N64373,	164373,
			present invention are one or more	AA628778, AI827544, AI246150, AA977500,	
			polynucleotides comprising a	AA779757, AI216037, AA724806, AI143969,	
			nucleotide sequence described by	AI740635, AA953515, AA938880, AA421570,	
			the general formula of a-b, where a	AA971965, AA010881, AI352432, AA410372,	
			is any integer between 1 to 204 of	AW082274, AA129683, AI699673, AI807260,	

670218, 9233, AL133312			
AI375466, AI633645, AA588195, AA670218, AA487274, N64317, AW118102, AA449233, AL133312		007688	
AI375466, AI6 AA487274, N64		AI940522, AC007688	AA676521
SEQ ID NO:1729, b is an integer of 15 to 218, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1729, and where b is greater than or equal to a + 14.	preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 566 of 5EQ ID NO:1730, b is an integer of 15 to 580, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:170, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polymucleotides comprishing a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 623 of 5EQ ID NO:171, b is an integer of 15 to 637, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1731, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a mucleopide sequence described by
_	877050	877051	877052
	ноѕриз9	HCROS68	HWLRT47
	1730	1731	1732

		Г	1
	AI814630, AI659745, AI337185, AI476215, AW014950, W90223, AI68180, AI040605, AI052156, AW014950, W90223, AI68180, AI040605, AI052156, AW44280, H64281, H21597, AW17231, W37142, W47567, H65040, Z40718, H65039, W86558, W90127, W47547, AI572195, W86559, R08722, R08628, M79050, R16990, AA002167, AC065736, AB011092, AC007151, T87129, T99488, R87793, H50980, H66212, H66857, N30250, W15238, W15419, AA074406, AA076057, AA593075, AA639811, AA766809, AA593044, AA593075, AA639811, AA765190, AA775052, AA854917, AI085171, AA765391, AA382891, AI338940, AI3380800, AI473584, AI571026, AI24140, AI219098, AI659256, AI636785, AI338942	AI167356, AL049670, AL021397	AA989345, AI624083, D61985, N67616
SEQ ID NO:1732, b is an integer of 15 to 423, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1732, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynuclectides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1267 of SEQ ID No:1733, b is an integer of 15 to 1281, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1733, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a polynucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 261 of SEQ ID NO:1734, b is an integer of 15 to 275, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1734, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more
	877056	877057	877058
	HCRPN44	HCRPD33	HCRPE57
	1733	1734	1735

		AA084838, F12786, AA224052, T75215, T77343, AC005919	AA195002, AA194815, AI916670, AW440382, AI884584, AA843585, AI653656, AW130944,
polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1017 of SEQ ID NO:1735, b is an integer of 15 to 1031, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1735, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 324 of 5EQ ID NO:1736, b is an integer of 15 to 338, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1736, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 412 of 5EQ ID NO:1737, b is an integer of 15 to 426, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1737, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more
	877059	877063	877065
	HCRNJ46	HWLRC59	нгнср08
	1736	1737	1738

			polynucieotides comprising a nucleotide sequence described by	AW303456, AA456/90, ALOSIIB3, AW152159, AA130046, R79256, AW439608, H22118, AA134040.
			the general formula of a-b, where a	T18594, H44350, AI784396, R76637, T79450,
			is any integer between 1 to 778 of	T79540, T97240, T97241, R51919, AW079574,
			SEQ ID NO:1738, b is an integer of	C00464, AI699839, AI689564, AL046171, AI702873,
			15 to 792, where both a and b	R79157, AI905847, AA129873, AA356980, AA351418,
			correspond to the positions of	T09084, AW248101, AI929724, AI815427, W27745,
			nucleotide residues shown in SEQ ID	D85131, M94046, AB017335, M93339, U33819
			NO:1738, and where b is greater	
			than or equal to a + 14.	
1739	HWLVE77	877066	Preferably excluded from the	N53758
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 454 of	
			SEQ ID NO:1739, b is an integer of	
	-		15 to 468, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1739, and where b is greater	
			than or equal to a + 14.	
1740	HCROJ64	877067	Preferably excluded from the	
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 93 of	
			SEQ ID NO:1740, b is an integer of	
_			15 to 107, where both a and b	
_			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1740, and where b is greater	
			than or equal to a + 14.	
1741	HWLQM0	877068	Preferably excluded from the	
	5		present invention are one or more	

			polynucleotides comprising a					
			the general formula of alk where a				•	
_			the general rothura or a-D, where a					
			is any integer between 1 to 4/1 or					_
			SEQ ID NO:1741, b is an integer of					-
			15 to 485, where both a and b					_
			correspond to the positions of					_
			nucleotide residues shown in SEQ ID					
			NO:1741, and where b is greater					_
			than or equal to a + 14.					
1742	HCRPW24	877069	Preferably excluded from the	AC004540				Π
			present invention are one or more					_
			polynucleotides comprising a					_
			nucleotide sequence described by					
			the general formula of a-b, where a					_
			is any integer between 1 to 398 of					
			SEQ ID NO:1742, b is an integer of					_
			15 to 412, where both a and b					
			correspond to the positions of					_
			nucleotide residues shown in SEQ ID					_
			NO:1742, and where b is greater					
			than or equal to a + 14.					_
1743	HOCTA26	877070	Preferably excluded from the	AA906013,	AW392670,	U46347, Z	U46347, Z99396, AW363220,	Т
			present invention are one or more	AW384394,		AL119484,	AL119457,	
			polynucleotides comprising a	AL119319,	AL119319, AL119363, AL119497, AL119324,	AL119497,	AL119324,	
			nucleotide sequence described by	AL119391,	AL119391, AL119355, AL119341, AL119483,	AL119341,	AL119483,	
			the general formula of a-b, where a	AL119443,	AL119522,	AL043003,	AL119522, AL043003, U46351, U46349,	
			is any integer between 1 to 380 of	AL119439,	AL119444,	U46350, U	AL119444, U46350, U46341, AL119396,	
			SEQ ID NO:1743, b is an integer of	AL119335,	AL119335, AL119496, AL134533, AL134528	AL134533,	AL134528,	
			15 to 394, where both a and b	AL037205,	U46346, Al	L119418, Ai	U46346, AL119418, AL043033, AL042614,	
			correspond to the positions of	AL134153,	AL134531,	AL134531, AL042984, AL042965	AL042965,	
			nucleotide residues shown in SEQ ID	AL042975,	AL119399,	AL119399, AL134538,	U46345, AL042450,	
			NO:1743, and where b is greater	AL134542,	AL042544,	AL043019,	AL043029,	
			than or equal to a + 14.	AL042542,	AL134132,		AL043147,	
				AL119304,	AL119464,	AC015853,	AR060234, A81671,	
				AR066494,	AR066494, AB026436, AR054110, AR069079	AR054110,	AR069079	_

1744	HBKDB96	877071	Preferably excluded from the	AA812993,	AA812993, AI368842, AI022649, AI084815, AA931328, AI392998, AI287567, AI463596	084815,
			polynucleotides comprising a	AI278360,	H16208, AW375190, H91009, AW375161,	09, AW375161,
			nucleotide sequence described by	AW375154,	AW375154, AW375158, H90897, H16209, AW375149,	09, AW375149,
			the general formula of a-b, where a	AW418706, AW385279	AW385279	
			is any integer between 1 to 939 of	:	•	
_			SEQ ID NO:1744, b is an integer of			
			15 to 953, where both a and b			
			correspond to the positions of			
			nucleotide residues shown in SEQ ID			
			NO:1744, and where b is greater			
			than or equal to a + 14.			
1745	HCRPE30	877073	Preferably excluded from the	AB014604, AC003093	AC003093	
		_	present invention are one or more			
			polynucleotides comprising a			
	-		nucleotide sequence described by			
			the general formula of a-b, where a			
			is any integer between 1 to 378 of			
			SEQ ID NO:1745, b is an integer of			
			15 to 392, where both a and b			
			correspond to the positions of			
		_	nucleotide residues shown in SEQ ID			
			NO:1745, and where b is greater			
			than or equal to a + 14.			
1746	HKGAW02	877078	Preferably excluded from the	AA935168,	AA935168, AA398801, AL119484, AL134524, AL119418	,134524, AL119418
			present invention are one or more			
			polynucleotides comprising a			
			nucleotide sequence described by			
			the general formula of a-b, where a			
			is any integer between 1 to 519 of			
			SEQ ID NO:1746, b is an integer of			
			15 to 533, where both a and b			
	_		correspond to the positions of			
			nucleotide residues shown in SEQ ID			
			NO:1746, and where b is greater			
			than or equal to a + 14.			

1747	нсосрэз	877079	Preferably excluded from the	AI434772
			present invention are one or more	
			polynuclectides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 237 of	•
			SEQ ID NO:1747, b is an integer of	
			15 to 251, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1747, and where b is greater	
			than or equal to a + 14.	
1748	HOCTD62	877080	Preferably excluded from the	
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 341 of	
			SEQ ID NO:1748, b is an integer of	-
			15 to 355, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1748, and where b is greater	
			than or equal to a + 14.	
1749	HE8PC46	877083	Preferably excluded from the	R13359, H08041, AF010245, AW156983, H29189,
			present invention are one or more	Z46132, T16980, AI879608, AW402188, AA348764,
			polynucleotides comprising a	R34542, R61072, H23510, AA436740, N36381,
			nucleotide sequence described by	AI929579, AI879056, AI816318, AL137450
			the general formula of a-b, where a	
			is any integer between 1 to 818 of	
			SEQ ID NO:1749, b is an integer of	
			15 to 832, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1749, and where b is greater	
			than or equal to a + 14.	

AW369563, AI674814, AA767616, AA761971, AA465292, AA204693	AI285916, AI025315, AP000553, AC009516	
more 1 by there a 170 of 3er of 5	more 1 by Abre a 158 of 3er of 5 5 5 6 7 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 370 of SEQ ID NO:1752, b is an integer of 15 to 384, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1752, and where b is greater than or equal to a + 14.
	877086	877092 878
	HTLGE26	HCFDE85
	1751	1752

1753	1753 HFEAH85	877093	877093 Preferably excluded from the	AI950320, AA340023	AA340023	
			present invention are one or more			
			polynucleotides comprising a			
			nucleotide sequence described by			
			the general formula of a-b, where a			
			is any integer between 1 to 208 of			
			SEQ ID NO:1753, b is an integer of			
			15 to 222, where both a and b			
			correspond to the positions of			
_			nucleotide residues shown in SEQ ID			
			NO:1753, and where b is greater			
			than or equal to a + 14.			
1754	HE8QT45	877094	Preferably excluded from the	AI052389,	AI761986, AW057796, AI656751,	
	,		present invention are one or more	AW152082,	AI126366, AI125599, AA452171,	
			polynucleotides comprising a	AI687797,	AI687797, AW023851, AA406351, AI431689,	
			nucleotide sequence described by	AA778840,	AA778840, AA993437, AI128983, AA565214,	
			the general formula of a-b, where a	AI693581,	AI693581, AI254753, AI285759, AW020705,	
			is any integer between 1 to 636 of	AI762885,	AI762885, N92604, AI193254, AI003334, C16412,	412,
			SEQ ID NO:1754, b is an integer of	C16192, A	C16192, AA226919, AA479128, AI536542, H08761,	761,
			15 to 650, where both a and b	AA706764,	AA706764, R85597, T10616, AI933471, AI250282,	282,
			correspond to the positions of	AW160916,	AW160916, AI440238, AW151132, AI372041,	
			nucleotide residues shown in SEQ ID	AL040011,	AL040011, AA731417, AA806605, AA641818,	_
			NO:1754, and where b is greater	AW194014,	AW194014, AA938181, AI932739, AW020164,	
		,	than or equal to a + 14.	AI34568B,	AI813538, AA829402, AI431507,	
				AI890907,	AW080157, AI963101, AI279925,	
				AIS60198,	AW167340, AW151974, AI473536,	
				AI963346,	AI244329, N63128, AI350489, AI635634,	35634,
	_			AA609644,	AI627339, AI499057, AI690813,	
				AI581053,	AI866469, AI955441, AW021373,	
				AA282824,	AI799313, AI609409, AA810226,	_
				AI918449,	AI699029, AW189548, AW058304,	
				AI828676,	AI659041, AI918809, AA065052,	
				AL134828,	C21335, AI357644, AI348821, AI590043,	90043,
				A1866770,	AI866770, AI399759, AI636507, AA767924,	
	_			AA814517,	AA814517, AI289791, AI421662, AW082532,	
				AA761557,	AA761557, AA743474, AA836665, AI628850,	

				AI919516, AW088546, AI590755, W48671, AL119863,
				AL039508, AI241923, AL079963, AI446373,
				AA934912, AI884574, AL048499, AI865189,
				AI581033, AW148544, AW079996, AA811736,
				AI673278, AW078818, AW409793, AI954504,
				AW002727, AI859991, AI688381, AW406745,
				AW021717, AW196720, AI915291, AW152182,
				AI950729, AI472487, AW023072, AI921915,
			-	AI582932, AI609191, AI872423, AI619820,
				AI434731, AI524179, AI800370, AI521560,
				AI889189, AW075382, N52016, AW089844, AI648494,
				AI678623, AI273886, AW104141, AW029457,
				AL022334, AR050959, S75997, AF100931, AF141289,
_				AF183393, A18777, AL133619, AF039138, AF039137,
				A08910, A08909, AF103804, AL110269, AB020777,
				X60769, A08908, X84990, AL137284, U73682,
				X66113, AR038854, AB031064, E05822, U37359,
_				AL050366, AF000167, A76337, AC005091, AF098162,
				AF067790, AL137537, AL050155, AR053103, 148978,
				X55761, AF036941, Y13653, I89947, I33392,
				AC010077, AF026816, I80062, X83544, I22020,
				M85164, X99270, AF044323, X66366, AF102578,
				X01775, A18788, X80340, AC006288, AL133565,
				AL137479, A60092, A60094, AF031572, AC004383,
				S78214, Z49216, X55446, AF068229, AC005992,
				U76377, I77092, D55641, X87582, AL080227,
				X99971, AL030998, A65340, AL122116, A77033,
				A77035, AL122104, AL137271, E03168, AF184965,
				AF195092, X93328, AL137716, AC005296, A86558,
				AF038847, AL137554, AF043493, AL110158, AF042090
1755	HWLQL84	877095	Preferably excluded from the	W79030, AC005486
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 546 of	

			143308,
			AW083100, AIZ06576, H43346, AA095182, H43308, AAA48302, AIS37677, AI345416, AI345612, AI345415, AL134830, AI802542, AW051258, AL079953, AI677796, AIS69583, AI801793, AIG19502, AIJ98090, AI433157, AI702073, AIG33125, AI334445, AWI633464, AIS54727,
v		,	H43346, AAAI845416, AI842542, AIS69583, AI5433157, AW163464,
		AL110283	AMOB3100, AI206576, AAA48302, AIS37677, AI345415, AL134830, ALO79963, AI677796, AIG19502, AM198090, AI633125, AI334445,
	AA193032	AI902587, AL110283	AW083100, AA248302, AI345415, AL079963, AI619502, AI633125,
SEQ ID NO:1755, b is an integer of 15 to 560, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:155, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 275 of SEQ ID NO:1756, b is an integer of 15 to 289, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1756, and where b is greater than or equal to a + 14.	preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 476 of SEQ ID No:1757, b is an integer of 15 to 490, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID No:1757, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 841 of
	877096	877097	877098
	нсосрв2	HCRMW8	HSIGL73
	1756	1757	1758

	SEQ ID NO:1758, b is an integer of	AA225339,	AA225339, AW071417,	AI499285, AI269862	AI269862,	
_	15 to 855, where both a and b	AI863241,	AI886753,	AIS64719,	AI521012,	
	correspond to the positions of	AW026882,	AL119863,	AL036736,	AW148716,	
	nucleotide residues shown in SEQ ID	AW161579,	AI340603,	AW090071,	AIS54245,	
_	NO:1758, and where b is greater	AW160916,	AL046200,	AI358701,	AI611738,	
	than or equal to a + 14.	AI284131,	AI445025,	AI536638,	AW073865,	_
_		A1636588,	AA640779,	AI687362,	AI954183,	
		AW300782,	AIS71909,		AW300889,	
		AI500077,	AW117746,	AI921248,	AL040243,	
		AI632408,	AI627360,		AI933589,	
		AI682743,	AI783504,		AL039086,	
		AL120307,	AI637584,	AI919534,	AI612885,	
		AI815232,	AW163823,	AW129659,	AI697324,	
		AI284517,	AI670009,	AL038069,	AW169653,	_
-		AW104724,	AI612913,	AI801325,	AI500523,	
		AI446373,	AL037454,	AI926790,	AI521560,	
		AI500662,	AW090013,	AW023590,	AW104827,	
		AI890833,	AI348897,	AI491852,	AI475371,	•
		AI627988,	AI520862,	AW190194,	AL036403,	
		AI567128,	AW148363,	AI283760,	AA427700,	
		AI284484,	AL036274,	AI699865,	AL036631,	
		AI798456,	AI524671,	AI207510,	AW301409,	
		AI812107,	AI886124,	AL036980,	AW150578,	
		AI679504,	AI440239,	AW080402,	AL045500,	
		AW118518,	AW075667,	AL043293,	AI815855,	
		AW148408,	AL036396,	AI702068,	AW020561,	
_		AL038605,			AAS72758,	
-		AL040241,	AW193530,	AW073270,	AI587114,	
		AI610690,	AI312428,	AI469532,	AI815237,	
_		AI866801,	AI536685,	AI468872,	AW268220,	
		AI805603,	AI340519,	AW166970,	AL120853,	
		AI349645,	AI932794,	AI500706,	AI439745,	
		AW089572,	AI648509,	AI590120,	AW087207,	
		AL110306,	AI433976,	AI862144,	AI249323,	
		AI280747,	AI934259,	AI934259, AI696398, AW087445,	AW087445,	***
		AI929108,	AI929108, AA470491, AW081298,	AW081298.	AW020693,	

					AI620866,	AI306613,
				AI274541, AI609375,	AI567612,	AW022808,
_				AL036802, AI270055,	AI174394,	AI554186,
				AW129916, AI613	AI613270, AI633330, 7	AI874166,
				AI625079, AI683	AI683585, AL047763, A	AW132056,
				AW169527, AI335426,	AI348777,	AI270099,
					AI355827, AI475394, 1	AI285448,
				AI687065, AI686576,	AA806720,	AI871697,
				AW403717, AI682971,	AL036361,	N33175, AI889376,
				AI923989, AW152459,	AI636585,	AI439717,
				AL119791, AI635461,	AI433384,	AI923370,
				AI345131, AIS91075,	AI567351,	AW074993,
				AW302965, AI431424,	AI349614,	AW193134,
				AI343112, AI954422,	AI434468,	AI499986,
				AW268083, AI572	AI572787, AW268253, i	AI537515,
			-	AI281772, AL045266,	AI254731,	AI349598,
				AI934011, AI312152,	152, AI872545, AI570807,	AI570807,
				AI686817, AI247	AI247293, AL041772, AI345735,	AI345735,
				AI819326, AW078839,	839, AIS39771, AW075084	AW075084,
				AI818977, AI784252,		Z83839, L29339, AF042090,
			•	AC004057, AL032822,	822, AC004470, AL080239,	AL080239,
				AC018767, AC006197,	197, AC004554, AC004808,	AC004808,
				AC006313, AC002454,	454, AF090900, AL133560,	AL133560,
				AF090934, AL137271,		I48978, I89947, A08916,
				AL133557, AL117	AL117460, AL049382, AJ000937,	AJ000937,
				AL049314, AF111	AF111851, AC002480, A08913	A08913
1759	HHEYT40	877099	Preferably excluded from the	26EMA , 208ELEMA	670, AL119319,	AA313905, AW392670, AL119319, AL119496, U46350,
			present invention are one or more	AW372827, U4634	9, AL119399, AL	AW372827, U46349, AL119399, AL119363, AL134518,
			polynucleotides comprising a	AL119443, AW363	AL119443, AW363220, AW384394, U46346, U46341,	U46346, U46341,
			nucleotide sequence described by	AL119497, U4634	7, AL134524, AL	AL119497, U46347, AL134524, AL119335, AL134528,
			the general formula of a-b, where a	U46351, AL04285	0, AL119457, AL	U46351, AL042850, AL119457, AL119522, AL134920,
			is any integer between 1 to 679 of	AL119484, AL119	391, AL119324,	AL119484, AL119391, AL119324, AL119444, Z99396,
			SEQ ID NO:1759, b is an integer of	AL119355, AL119483,		U46345, AL134538, AL119439,
			15 to 693, where both a and b	AL043037, AL042	970, AL037205,	AL043037, AL042970, AL037205, AB026436, A81671,
			correspond to the positions of	AR054110, AR060234, AR066494	234, AR066494	
			nucleotide residues shown in SEQ ID			

			NO:1759, and where b is greater	
			ביימיו כד כלימד כס מ + דז:	
1760	нронозі	877101	Preferably excluded from the	AW405179, AA278430, AI951459, AW130135,
			present invention are one or more	AA437355, AA427621, AW183077, AW044380,
			polynucleotides comprising a	AI038334, AIS40554, AI224500, AA256905,
			nucleotide sequence described by	AW440059, AA702920, AI269240, AA662464,
			the general formula of a-b, where a	AA129087, AI042498, AW401902, AI865421,
			is any integer between 1 to 2712 of	AA129086, AI023674, AA670374, U51141, AI355031,
			SEQ ID NO:1760, b is an integer of	AA255481, AA600233, AA983314, AA661749,
			15 to 2726, where both a and b	AA278961, AI286001, AW237708, AA512902, R16374,
			correspond to the positions of	AI000189, AA872607, Z39825, AW338997
			nucleotide residues shown in SEQ ID	
			NO:1760, and where b is greater	
			than or equal to a + 14.	
1921	HODGR31	877104	Preferably excluded from the	AI701474, AI141563, AA805242, AW151887,
			present invention are one or more	AW172894, AI342500, N26482, AI990393, AW275998,
			polynucleotides comprising a	AL120029, AI367540, AA905238, AA767195,
			nucleotide sequence described by	AA633403, N25228, AA811725, Z39323, N29704,
			the general formula of a-b, where a	H17935, W05575, N70530, AA766858, AL118631,
			is any integer between 1 to 1019 of	N98948, AI701701, N66665, AA737077, AB007917
			SEQ ID NO:1761, b is an integer of	
			15 to 1033, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1761, and where b is greater	
			than or equal to a + 14.	
1762	HWLWB9	877105	Preferably excluded from the	AA167624, AA688144, AA016314, AI499580,
	7		present invention are one or more	AI925014, AA808419, AI081193, AA194836,
			polynucleotides comprising a	AA125835, AW419229, AA252083, AA461554,
			nucleotide sequence described by	AIS00464, AAS57634, AI208183, AA988570,
	_		the general formula of a-b, where a	AA687098, W33019, AA876407, AW007949, F34751,
			is any integer between 1 to 607 of	AA492322, AA908820, R37941, T23517, AA844143,
			SEQ ID NO:1762, b is an integer of	N73484, AA488062
			15 to 621, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	

		NO.1762 and where h is greater	
		than or equal to a + 14.	
HWLRD79	877106	Preferably excluded from the	AA465383, H51960, AA393998, AI300310, AI017609,
		present invention are one or more	AI017517, AI819082, AW088106, AW264111,
		polynucleotides comprising a	AI446796, AA767844, AI538119, AI583021,
		nucleotide sequence described by	AW151792, AW168958, AI252808, T79312, AA429868,
		the general formula of a-b, where a	AA971656, AI358328, AI039023, AW002810,
-		is any integer between 1 to 722 of	AW028426, AI336255, AW238738, N64679, AA604414,
		SEQ ID NO:1763, b is an integer of	N64391, AI275601, AA437374, AW003543, H93076,
		15 to 736, where both a and b	AI962621, AI148567, AA904883, AW194543, F01936,
		correspond to the positions of	AI674414, AI419876, AI339747, AW299722, C00822,
-		nucleotide residues shown in SEQ ID	AA661775, T27646, AI473622, AI473612, AL042432,
		NO:1763, and where b is greater	AA775934, AA700143, X63546, I76205, AJ012755
		than or equal to a + 14.	
HWLOW7	877110	Preferably excluded from the	AA046439, AW243397, AA211360, AA974447,
7		present invention are one or more	AI128724, AI990335, AA456529, AI655816, H39555,
		polynucleotides comprising a	AI479968, AI283132, AI926934, AA534329,
		nucleotide sequence described by	AA019380, AI961572, AA011475, AI089295,
		the general formula of a-b, where a	A1446563, A1807997, AA872374, AI798452,
		is any integer between 1 to 1357 of	AA256606, AA936249, AI393572, H25408, AW016511,
		SEQ ID NO:1764, b is an integer of	C01415, H28374, AA516090, R43067, AI991488,
		15 to 1371, where both a and b	AA455164, AI217649, AA730296, AI216786,
		correspond to the positions of	AI357214, AI961183, AI537981, AI203429,
		nucleotide residues shown in SEQ ID	AI261590, AI093989, AI950123, R46342, AI803504,
		NO:1764, and where b is greater	AI017015, AA425610, AA535732, AI922416, N21542,
		than or equal to a + 14.	AI805514, R35671, R35782, Z38679, AA258077,
			AI092478, AW170513, AI382468, AA971129,
			AA455366, AA430349, AA090871
HUSGT72	877111	Preferably excluded from the	AA021634, AW028333, AI203234
		present invention are one or more	
		polynucleotides comprising a	
		nucleotide sequence described by	
		the general formula of a-b, where a	
		is any integer between 1 to 752 of	
		SEQ ID NO:1765, b is an integer of	
		15 to 766, where both a and b	

	AI371734, AI802040, AI094501, AI420545, AI439413, AA886089,	AAJOS488, AAJS4685, AABIZ608, AIIZ5614, AA886622, AW389951, AI885739, AA215595, AW389969, AIO00868, AF165185, AF172328	AA112413, A1879634, A1625669, AA287717, A1027610, A1951403, NN1076, A1218397, N72114, A1924949; A1273133, A1076224, A1921374, A1924949; A1273135, A1076224, A1921374, A12010849, A1267315, N35730, A1932387, AW269315, A1761994, A1272043, A1298937, A1685902, A1765596, AW298266, AA771945, A1367162, A1765596, AW298266, AA771945, A1367152, AA884764, AW418760, AA897114, AA704188, AA675915, W68725, A1434324, A1075318, A1695150, AA675915, W68725, A1434324, A1075318, A1695150, AA6765915, W68725, A1434324, A1075318, A1695150, AA6765915, AA66509, AW40884, AA279150, H10181, A43600, AA554232, R49161, A1142249, A1003234, AW366070, AW079259, Z38995, P03815, AW36604, AA724943, AL119324, AL19443, AW383064, AA724943, AL1193124, AL119443, AU042284, AL043029, U463349, AL119443, AL042284, AL043023, AL119335, AL119497, AL042284, AL043023, AL119333, AL119497,
correspond to the positions of nucleotide residues shown in SEQ ID NO:1765, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 722 of	SEQ 1D NOT. Nob., D is an inceger or 15 to 736, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1766, and where b is greater than or equal to a + 14.	preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 507 of SEQ ID NO:1767, b is an integer of 15 to 521, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1767, and where b is greater than or equal to a + 14.
	877112		877114
	1766 HPWBM91		НWLVB03
	1766		1767

3.2 .3		C
75, AL119484 20, U46347 AL043011, AR066494		A4451055, 299396, ALI19522, AW392670, AW372827, AW372827, ALL19443, ALL19443, ALL19443, ALL19443, ALL19443, ALL19443, ALL19443, ALL19443, ALL19391, U46341, ALL19391, ALU19391, ALU19392, ALU19392, ALU19395, ALU19395, ALU39296, ALU39688, U46346, ALU39275, ALU39294, ALU392974, ALU37295, ALU34518, ALU393974, ALU37296, ALU3999, ALU34834, ALU37526, ALU37094, ALU37092, ALU34284, ALU37526, ALU39962, ALU34284, ALU37639, ALU33929, ALU34284, ALU37639, ALU337639, ALU34284, ALU37639, ALU33622, ALU34847, ALU38651, ALU38921, ALU38651, ALU38681, ALU38447, ALU38681,
AL04297 LL042614 AW36323 34528, 1		MILLIBSEZ, P. ALILIBSEZ, P. ALILIBSEZ, P. U46349, P. 146341, ALILIBSES, P. ALO38887, ALILIBSES, P. ALO39074, ALO42551, ALO37526, ALO37526, ALO437639, ALO42542, ALO43003, ALO438447,
AL042965, 372827, A AL119444, 9396, AL1 U46346, P		299396, ALI19522, P AM363220, ALI19497, ALI19334, U46541, ALI ALO36418, ALO38837, U46311, ALI19496, P AA31969, ALO38658, ALO38699, ALO39074, ALO38699, ALO39074, ALI34533, ALO42551, ALO37077, ALO37626, ALO37077, ALO376399, ALO37077, ALO376399, ALO37077, ALO376399, ALO37077, ALO376399, ALO3636390, ALO42551, ALO3636390, ALO42561, ALO3636390, ALO43019, ALO3636390, ALO36447,
ALO42433, U46341, AW AL119391, U46351, Z9 ALO43003,	AI243595	AA215535, AA453055, 299366, ALI19522, PAR84394, AW372827, AW363200, ALI19497, AW36320, ALI19439, AU119335, U46341, ALI19360, ALI19469, ALI19360, ALI19361, ALI19361, U46341, ALI19361, ALI19361, ALI19361, ALI19361, ALI19361, ALI19361, ALI19418, ALI19418, ALI19425, AR631960, AL036868, ALI19418, ALI19424, ALI19424, ALI19423, ALI19439, ALI19423, ALI19360, ALI19439, ALI19439, ALI19439, ALI19439, ALI19439, ALI19439, ALI19439, ALI19439, ALI194399, ALI19439, ALI194399, ALI194399, ALI194399, ALI194399, ALI194399, ALI194399, ALI194399, ALI194399, ALI194399, ALI19489, ALI194399, ALI19489, ALI1943999, ALI1942896, ALI1943909, ALI1943999, ALI1942896, ALI19439999, ALI1942896, ALI19439999, ALI1942896, ALI19439999, ALI1942896, ALI19439999, ALI1942896, ALI19439999, ALI1942896, ALI19439999, ALI1942899, ALI19439999, ALI1942899, ALI19439999, ALI1942899, ALI1943999, ALI1942899, ALI19439999, ALI1942899, ALI1943999, ALI1942899, ALI1943999, ALI1942899, ALI1943999, ALI1942899, ALI1943999, ALI1943999, ALI1942899, ALI1943999, ALI1943999, ALI1942899, ALI1943999, ALI1942899, ALI1943999, ALI194899, ALI194899, ALI194899, ALI1949999, ALI19499999, ALI19499999999999999999999999999999999999
AL119319, AL042433, AL042965, AL042975, AL119483, U46341, AW372827, AL042614, AL119484, AL119363, AL119391, AL119444, AW363220, U463317, AW384394, U46351, 299396, AL134528, AL043011, AM38139, AL043003, U46546, AR0660234, AR066494, A81671, AR054110, AB026436	AA026806, AI243595	AA215535, AA451055, 299396, ALL19522, AW392670, AW384394, AW372827, AW363220, ALL194397, ALL19335, ALL19439, ALL19439, ALL19335, ALL19439, ALL19335, ALL19439, ALL19483, ALL19560, ALL19484, ALL19560, ALL19524, ALL19484, ALL19534, ALL19536, ALL19536, ALL19544, ALL19548, ALL19541, ALL19548, ALL19541, ALL19548, ALL19549, ALL19559, ALL195559,
	M74 877119 Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 439 of SEQ ID NO:1768, b is an integer of 15 to 453, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1768, and where b is greater than or equal to a + 14.	877120
	HAJAM74	HHMME78
	1768	1769

				11.119464 DI.036774 DI.036733 DI.016998
				AL037178 AL036238 AL037615 AL037027
				AL036719, AL036765, AL036191, AL036679,
				AL036158, AR060234, A81671, AR066494, AR023813,
				AR064707, AR069079, AR054110, AB026436
1770	HCYBJ73	877121	Preferably excluded from the	R18987, R17194, AA305460, Z45206, F08022,
			present invention are one or more	W86585, F07327, D50979, D80164, D80227, D80522,
			polynucleotides comprising a	D80269, C14389, D59502, D81026, D80133, D80195,
_			nucleotide sequence described by	D51060, D80248, D59610, D59467, D59275, D58283,
			the general formula of a-b, where a	AA305578, D80188, C15076, D80366, D59859,
			is any integer between 1 to 629 of	D51022, D80022, D80038, C14331, D80166, D80043,
			SEQ ID NO:1770, b is an integer of	D50995, D51423, D59619, D80210, D51799, D80391,
			15 to 643, where both a and b	D80240, D80253, D59787, D81030, D80241, D80212,
			correspond to the positions of	D80193, D80196, AW377671, D80219, AA305409,
			nucleotide residues shown in SEQ ID	D80045, AA514188, D59927, D80251, D57483,
			NO:1770, and where b is greater	D80378, D59889, D80024, C14014, C06015,
			than or equal to a + 14.	AW360811, D80268, AW177440, D80302, AA514186,
				AW378532, D80439, D59373, C14429, AW178893,
				D80247, D51103, AW375405, T11417, T03269,
				AW360834, AW179328, AW366296, C75259, AW360844,
				AW378528, AW360817, AW375406, AW178906,
				AW378534, AW179332, AW377672, AW179023,
				AW178905, D59653, AW177501, AW177511, D80157,
				C05695, D51759, AW352171, AW377676, D80132,
				AW178762, AW352170, AW177731, AW178907,
				AW179019, AW179024, D58253, F13647, D80134,
				D51250, AW367967, AW176467, AW360841, AW177505,
				AW178775, AW378525, AW369651, AW179020,
				AW178909, AW177456, AW179329, AW178980,
				AW352158, AW178914, AW177733, AW178908,
				AW178754, AW179018, T48593, AW352117, AW378543,
				AAS14184, D80014, D45260, D51079, H67854,
				AW179004, D59551, D81111, AA809122, AW178774,
				AW179012, C14227, D59503, AW352120, AW378540,
				AW352163, D80258, D80064, D59627, C03092,
				H67866, AW179009, AI525923, AW178911, AI910186,

				AW177722, AW378533, AW177728, D58101, D59317,
				T02974, AW367950, T03116, AI905856, D58246,
				D45273, C14407, AW178781, AI525917, AI557774,
				AI535959, D59695, C14973, AW378539, C14344,
				D60010, AI535686, AW178986, D51221, AI525227,
				D59474, T03048, D60214, AI525920, C14957,
				C14046, AW378542, AI525235, C14298, AI557751,
				AW177734, D80168, AI525242, AW179011, D52291,
				AI525925, AI525912, D51213, AA285331, AI525215,
				C16955, AI525237, D51097, D31458, C05763,
				Z33452, AI525222, Z21582, AI525928, AW360855,
				T02868, H67858, D80949, C04682, AB028859,
				AJ132110, AR008278, A84916, A62300, A62298,
				AR018138, AF058696, A82595, X68127, AB002449,
				AR060385, X67155, Y17188, D26022, Y12724,
				A25909, A94995, A67220, D89785, A78862, D34614,
				AR008443, I50126, I50132, I50128, I50133,
				D88547, AR066488, AR016514, AR016808, AR060138,
				A45456, A26615, AR052274, X82626, A43190,
				I14842, Y09669, A43192, AR038669, AR054175,
_				AR066487, A30438, AR025207, Y17187, A63261,
				A70867, D50010, AR066490, AR008277, AR008281,
				AR062872, I18367, AR016691, AR016690, U46128,
				I82448, I79511, AR008408, A64136, A68321,
				AB012117, D13509, AR060133, AR066482, AF123263,
				A85396, D88507, A44171, AR032065
1771	HCRNE77	877122	Preferably excluded from the	N46730, N47731, AC005272, AC005826, AC006379,
			present invention are one or more	AC007276, AC004800
			polynucleotides comprising a	
			nucleotide sequence described by	
	_		the general formula of a-b, where a	
			is any integer between 1 to 720 of	
			SEQ ID NO:1771, b is an integer of	
			15 to 734, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	

			NO:1771, and where b is greater		,	
_			than or equal to a + 14.			
1772	HWMBC9	877123	Preferably excluded from the	AA366950		
	4		present invention are one or more			
			polynucleotides comprising a			
			nucleotide sequence described by			
			the general formula of a-b, where a			
			is any integer between 1 to 382 of			
			SEQ ID NO:1772, b is an integer of			-
			15 to 396, where both a and b			
			correspond to the positions of			
			nucleotide residues shown in SEQ ID			_
			NO:1772, and where b is greater			
		_ !	than or equal to a + 14.			
1773	HWLMS73	877126	Preferably excluded from the	AA527435, AW195324, AI653000, AW051613	AW051613,	
			present invention are one or more	AAS14619, AI652532, AI675204, AA435717,	AA435717,	
			polynuclectides comprising a	AI659333, AI796596, AI273289, AI880669,	AI880669,	
			nucleotide sequence described by	AI826786, AA889355, AW004627, AA397980, AC002302	AA397980, AC0	02302
			the general formula of a-b, where a			
			is any integer between 1 to 772 of			
			SEQ ID NO:1773, b is an integer of			
		_	15 to 786, where both a and b			
			correspond to the positions of			_
			nucleotide residues shown in SEQ ID			
			NO:1773, and where b is greater			
			than or equal to a + 14.			
1774	HFAMB70	877129	Preferably excluded from the	H10992, AL080276		
_			present invention are one or more			
			polynucleotides comprising a			
_			nucleotide sequence described by			
			the general formula of a-b, where a			
			is any integer between 1 to 662 of			
			SEQ ID NO:1774, b is an integer of			
_			15 to 676, where both a and b			
			correspond to the positions of			
			nucleotide residues shown in SEQ ID			

		NO:1774, and where b is greater than or equal to a + 14.	
1	877130	Preferably excluded from the	W86771
		present invention are one or more	
_		polynucleotides comprising a	
		nucleotide sequence described by	
-		the general formula of a-b, where a	
		is any integer between 1 to 409 of	
_		SEQ ID NO:1775, b is an integer of	
		15 to 423, where both a and b	
		correspond to the positions of	
_		nucleotide residues shown in SEQ ID	
		NO:1775, and where b is greater	
_		than or equal to a + 14.	
HCQDP71	877131	Preferably excluded from the	AA595817, H30539, AW022133
		present invention are one or more	
		polynucleotides comprising a	
		nucleotide sequence described by	
		the general formula of a-b, where a	
		is any integer between 1 to 657 of	
		SEQ ID NO:1776, b is an integer of	
		15 to 671, where both a and b	
		correspond to the positions of	
		nucleotide residues shown in SEQ ID	
_		NO:1776, and where b is greater	
_		than or equal to a + 14.	
HE9PB28	877132	Preferably excluded from the	AW183176, AI338542, AA687408, AI335604,
		present invention are one or more	AA902163, AI741694, AA954272, AA742379,
		polynucleotides comprising a	AI092736, AI826540, AI675475, AI079357,
		nucleotide sequence described by	AI932722, AW196794, AW028184, AA091428,
		the general formula of a-b, where a	AW297724, AI678998
		is any integer between 1 to 1765 of	
		SEQ ID NO:1777, b is an integer of	
		15 to 1779, where both a and b	
_		correspond to the positions of	
		nucleotide residues shown in SEO ID	

			No:1777, and where b is greater	
			than or equal to a + 14.	
1778	HCQCR68	877133	Preferably excluded from the	T87566, AW389691, AA505395, R15971, AL022069
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 545 of	
			SEQ ID NO:1778, b is an integer of	
			15 to 559, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1778, and where b is greater	
			than or equal to a + 14.	
1779	HEPNB10	877134	Preferably excluded from the	AI268381, AI240658, AI302971, W87782, H02333,
			present invention are one or more	AW022594, X82877, A36408, X64315, X82876
_			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 772 of	
			SEQ ID NO:1779, b is an integer of	
			15 to 786, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1779, and where b is greater	
			than or equal to a + 14.	
1780	HWLNY36	877135	Preferably excluded from the	Z78283, R11554, N44978, AA321699, AA661583,
			present invention are one or more	AW275432, AL048969, AI801563, AA640305,
			polynucleotides comprising a	AA666295, AA676592, AA483966, AI268826,
			nucleotide sequence described by	AW151247, AW021674, AI174703, AA601376,
			the general formula of a-b, where a	AL048060, AL048090, AI572680, AI570067,
			is any integer between 1 to 674 of	AI370470, H93717, AA846944, C06151, AA469230,
			SEQ ID NO:1780, b is an integer of	M77888, AI224583, AI242994, F29968, AA829565,
			15 to 688, where both a and b	AI039257, AA180056, AI090377, AI791659,
			correspond to the positions of	AA723132, AA831426, AA525753, AA630476,
			nucleotide residues shown in SEQ ID	AA113757, AA493245, AW275640, AI292275,

NO:1780, and where b is greater	AA525881, AI457152, T52772, AA233462, AI738741.
than or equal to a + 14.	F17549, AI309943, AI300597, AW245331, T57562,
•	AI283329, AA302943, AA720582, AA480486,
	AW087537, AA599069, AI754421, AI474127,
	AA601333, AI192465, AA341992, AA367920,
	AI583532, AA493789, AW022376, AI053673,
	AA489390, AI417496, T07251, AI797998, AA491743,
	AA586474, AI590404, D29424, AI538404, AI378950,
	N54538, AI311796, AA084320, AI567676, AI310670,
	AI014332, AA218684, T03928, AL119645, AI282724,
	AI653465, N22416, AW264548, AI719298, AI065031,
	F18885, AA182577, AW149241, NS8378, H90845,
	AA583386, R43468, AA483735, AI349130, R42954,
_	AA666172, AI590442, AI079669, AI654737,
	AA584765, AA228437, AA602105, AI862213,
	AA111897, AI872018, AA847504, AA434165,
	AA342238, AA587835, AI271693, AA368616,
 	AW272389, AA347203, AW192199, AA298365,
	AI758981, AL079553, AL078621, AC002055,
	AL096791, AC002316, AL021392, AC005954,
	AC004929, AC000115, AP000518, AC005746,
	AL021393, AC005011, Z73359, U95742, AC006368,
	AC007216, 297632, AL035682, AP000070, AL031120,
	AC004587, AL034349, AC007563, Z81450, AC004652,
	AC005969, AC005778, AL023575, AP000075, M91453,
	U80459, Z68617, Z82245, AB014077, Z84721,
	AC004209, AC004506, AP000514, AL031663,
	AC002554, AC005736, AC002470, AC004834,
	AL035443, AC007564, AC005041, AP000010, Z68273,
	Z97056, AC007308, AF118808, AC004230, AF006501,
	AC004611, AL008716, AL118497, Z84467, Z85986,
 •	AC005082, AC002310, AC005914, AC005095,
	AC005666, AL078602, AF109907, AC004583,
	AC003982, AC004638, Z82244, AL031447, AC005519,
	AL034548, AJ003147, AC003685, AC005740,
	AL049569, AC006205, AC004673, AC005747,

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	4	AL031985, AC004961, AC005207, AC010077,
	A	AC004139, AC020663, AC007066, AC003109, Y15083,
	A	AC002299, AC005104, AC006076, AB020859,
	<u> </u>	AC007878, AC005320, AC004562, AL132799,
	<u> </u>	AL023578, AC005065, AC006251, AC006275,
	4	AL022334, AC004623, AL031223, Z99289, AC006316,
	D .	U91322, AF207550, AC004477, AC007371, AC006131,
	A .	AC012599, Z99297, Z97832, AL049839, AL133163,
	22	Z73429, AC005184, AC002044, AC004150, Z93930,
	A	AL049776, Z46936, AC005579, AL121767, AC004134,
	A	AC005015, AP000227, AB004907, U89335, AC005218,
	<u> </u>	
	A	AF042089, Z97054, AC004231, Z97989, AE000661,
	4	AC004858, AC005924, AC006162, AC004074,
	<u> </u>	AL031587, AC005911, AJ006997, AC005393,
	<u> </u>	AF165926, AC004757, AL022725, AC003665,
	<u> </u>	
	4	AC004922, Z99716, AC000353, AC005776, AL139054,
-	A	AL023876, AC004513, AC004773, AL136295,
	<u> </u>	AL008710, AC002077, AC012627, AL034553,
	A.	
	A	
	4	
	4	AL031678, AC004998, AC005209, AL135744,
•	A	AC007225, AL050341, AL034429, AL137100,
	4	
	4	AP000359, AL021918, AC004856, AB023050,
	A.	
	4	AP001058, AC005175, AC013256, AC002997,

				AC005594, AC008975, Z68756, L48038, Z75890, AC004076, AF107045, AL096703, AC004508, Z94801
1781	HWLRC68	877137	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by	U55042, AJ249706, AF184153
			the general formula of a-b, where a is any integer between 1 to 534 of	
			SEQ ID NO:1781, b is an integer of 15 to 548, where both a and b	
			correspond to the positions of	
			No:1781, and where b is greater	
1782	HWLQM8	877138	Preferably excluded from the	W73224, AI804267, AI379725, AI636783, AI351006,
	′∞		present invention are one or more	H98536, AI365217, N35469, AI219083, AI221578,
			polynucleotides comprising a	AA476333, AI687408, AC007285
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 553 of	
			SEQ ID NO:1782, b is an integer of	
		_	15 to 567, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
		_	NO:1782, and where b is greater	
]			than or equal to a + 14.	
1783	HWLMG4	877139	Preferably excluded from the	AI741535, AI968175, AI970276, AI991566,
	0		present invention are one or more	AW025923, AI652906, AW188858, AI637887,
			polynucleotides comprising a	AA516176, AI917709, AI631638, AI625029, AI342081
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 523 of	
			SEQ ID NO:1783, b is an integer of	
			15 to 537, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	

			NO:1783, and where b is greater than or equal to a + 14.	
1784	HWLQOIS	877140	Preferably excluded from the	A1972873, N95228, A1656562, AW055145, A1936408,
			present invention are one or more	AI375092, AW016802, AI188610, AI985579,
			polynucleotides comprising a	AI991588, AI292190, AI094172, AI078514,
			nucleotide sequence described by	AI191047, R38989, AI763004, AW182193, AI830734,
			the general formula of a-b, where a	R49050, AA046092, AI202609, H49273, R99234,
			is any integer between 1 to 600 of	AL037112, AI262420, H19327, W87481, AW236116,
			SEQ ID NO:1784, b is an integer of	N94137, AI221613, AA581541, AI521710, AA404487,
			15 to 614, where both a and b	AA046135, R05523, W69271, Z38912, AI468774,
			correspond to the positions of	AA099158, AI984653, AA019723, AIS54117,
			nucleotide residues shown in SEQ ID	AI090954, AW007126, N70968, H12506, AF131754,
			NO:1784, and where b is greater	AL035700, AC007270
			than or equal to a + 14.	
1785	H2CAC59	877142	Preferably excluded from the	AA307078, AA706423, AA994100, AA641669,
			present invention are one or more	AA626714, AA770345, AI360154, AA454000,
			polynucleotides comprising a	AI015598, AI470060, AI470113, AI274091,
			nucleotide sequence described by	AI627230, AI784122, AI563937, AW071839,
			the general formula of a-b, where a	AI937059, AI348119, AI285070, AI401714,
			is any integer between 1 to 481 of	AA550934, AW078863, AI092221, AI077448,
			SEQ ID NO:1785, b is an integer of	AI139979, AA229891, AI192689, AA745669,
			15 to 495, where both a and b	AA614661, N51519, AA661859, AA483292, AA873127,
			correspond to the positions of	AI002451, AI568443, AA074240, AA627279,
			nucleotide residues shown in SEQ ID	AA451794, R96077, AA767360, AA451795, R96116,
			NO:1785, and where b is greater	AA579733, AA328053, R44546, AI832484, AA393453,
			than or equal to a + 14.	AA229890, D51799, D80166, D59889, D51423,
	-			D59619, D80210, D80240, D80253, D59859, D58283,
				D59927, D80212, D80188, D80227, D81030, D80195,
				D80219, D57483, D80391, D59610, D80043, D59502,
				D80038, D80022, D80196, D80269, D80164, D59275,
				D80366, AA400769, D80193, D80241, D59787,
				D80024, D80045, D50995, D50979, C14389, C14429,
				C15076, C14014, D59467, D51060, AA305409,
	,			D80134, AW178893, D81026, D80268, D51250,
				F13647, D80949, Z21582, D58253, D80522, D81111,

		AW178775, D51079, AW177440, D59695, D80168,
		D51022, C14227, AW179328, AW377671, AW352158,
		AW378532, AA514188, AA305578, AW369651, D52291,
		D80251, D80248, AW177501, AW177511, AI905856,
		AA704205, C14298, AW178762, D80064, AW352117,
		AA514186, D80133, AA285331, AW360811, C14407,
		AW378540, D51097, AW375405, AW360844, D80132,
		AW360834, AW366296, AW360817, AW179220,
		AW375406, AW378534, AW352171, AW179332,
		AW377672, AW179023, AW377676, AW178905,
		AW178754, AW179024, D80439, T03116, AW177505,
		AW360841, AW179020, D80302, AW178909, AW177456,
		AI557751, AW178906, AW352170, AW177731,
-		AW178907, AW179019, AW179018, AW178971, D80247,
		AW352174, D80014, AW179017, AW179004, AW179329,
		AW179012, AW178980, AW177733, AW378528,
		AW178908, T11417, D51103, D80157, AW179009,
_		AW178914, AW378543, AW378525, AW367967, T02974,
		D51759, D58246, D58101, AW378539, AW178983,
		AW352120, AW177728, AW178774, AW178781,
		AW178911, AW352163, D59627, D80258, D59503,
_		C06015, AI557774, T48593, D51213, D45260,
		D50981, AW378533, H67854, AW367950, Z82214,
		D63487, A62298, A84916, A62300, AJ132110,
		Y17188, AR018138, X67155, A67220, D89785,
		A78862, D26022, A25909, D34614, D88547,
	^	AR025207, X82626, AF058696, AR008278, AB028859,
		AB012117, Y12724, X68127, A85396, AR066482,
		A44171, A85477, I19525, A86792, U87250, A82595,
		X93549, A94995, AR060385, AB002449, AR008443,
		I50133, I50128, I50126, I50132, AR066488,
		AR016514, AR060138, AF135125, A45456, A26615,
		AR052274, AR066490, Y09669, A43192, A43190,
		AR038669, AR066487, I18367, A30438, D88507,
_		I14842, AR054175, D50010, Y17187, AB033111,
		AR008277, AR008281, A63261, AR064240, AR008408,

	AA845225, W21880		AIO76490, AI654914, AI265931, AA218987, AA232080, AI921179, AI921200, AF110400
correspond to the positions of nucleotide residues shown in SEQ ID NO:1788, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 471 of 5EQ ID NO:1789, b is an integer of 15 to 485, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1789, and where b is greater than or equal to a + 14.	preferably excluded from the present invention are one or more prolynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between it to 551 of 550 in No:1790, b is an integer of 15 to 565, where both a and b correspond to the positions of nucleotide residues shown in 5EQ ID NO:1790, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 900 of SEQ ID NO:1791, b is an integer of 15 to 914, where both a and b
	877147	877148	877149
	HCRNP62	HCRMR04	новнее0
	1789	1790	1791

			correspond to the positions of nucleotide residues shown in SEO ID	
		_	NO:1791, and where b is greater	
			than or equal to a + 14.	
1792	HKAOG63	877153	Preferably excluded from the	AA307405, AL037524, AL037501, AA126654, R97186,
			present invention are one or more	258080
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 296 of	
			SEQ ID NO:1792, b is an integer of	
			15 to 310, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1792, and where b is greater	
			than or equal to a + 14.	
1793	H2CBR38	877154	Preferably excluded from the	AA434547, AA278232, AA029146, AA191433, H00358,
			present invention are one or more	R11943, H11169, Z46056, AA193396, AA405639,
			nolumic leatides commissing a	חססככט האות הרסטכם הסיסטרות איזטבות הרססכטי
			ו החדלוותרובחריתבם בחוולודוזוול ש	133022, AA103044, MUU037, R33027, AA423437,
			nucleotide sequence described by	F11670, W02964, T85686, R14127, AA449385,
			the general formula of a-b, where a	W24857, AA313412, N77971, AW303346, AA455582,
			is any integer between 1 to 1040 of	AI312533, T56653, AA905068, AA304411, AW009793,
_			SEQ ID NO:1793, b is an integer of	AA514453, AA587237, N77395, AA129547, AW069049,
			15 to 1054, where both a and b	AI816925, AC002543
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1793, and where b is greater	
			than or equal to a + 14.	
1794	HRDEW54	877155	Preferably excluded from the	AW303346, AA905068, AW009793, AA193396,
			present invention are one or more	AA514453, AA587237, AW069049, AI816925,
			polynucleotides comprising a	AA425497, AA525849, AA455582, AI309995,
			nucleotide sequence described by	AI768678, AI129597, AA129547, AI922487, W00839,
		_	the general formula of a-b, where a	AI679847, AI275507, AW070298, AI816908,
			is any integer between 1 to 783 of	AA278690, AA165044, AW168777, AA456079,
			SEQ ID NO:1794, b is an integer of	AI250904, AA405639, AI679273, AI399923,
		_	15 to 797, where both a and b	AA600034, AA427915, AA613020, AA723373,

AIG30755, AA926672, N95773, AI355684, AA576604, AIG81443, N73000, AIG33576, AW008775, AA989509, AW008019, AI30758, N85382, AA402562, AA425221, H11081, AA644362, AIG80504, AA442556, AA42524, H11081, AA644362, AIG80504, H00311, T91257, W02964, N33940, T99623, R49537, T57253, H83423, AA99769, AA86121, AW182061, AA975401, AW235959, AI767913, Z40018, AA640099, AA93223, T49289, T56653, AA029024, T49289, AI84199, AM134475, AA434547, T49320, AC002543, AI143419	AL031774	AI459297, AA807285, AA428379, AA443512, AA808649, R73812, AA829249, R73811, AA306972, AI823917, AW296857, R34933, AI964018, R34837, AL120670, AL120664	
correspond to the positions of nucleotide residues shown in SEQ ID NO:1794, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 350 of SEQ ID NO:1795, b is an integer of 15 to 364, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1795, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1253 of SEQ ID NO:1796, b is an integer of 15 to 1267, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1796, and where b is greater than or equal to a + 14.	Preferably excluded from the
	877157	877163	877165
	нвмрсео	нодрм40	HWLNG61
	1795		1797

			present invention are one or more				
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 449 of				
			SEQ ID NO:1797, b is an integer of				
	_	_	15 to 463, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1797, and where b is greater				
			than or equal to a + 14.				
1798	нсостзз	877166	Preferably excluded from the	N23022, A	1742147, A	4399952, AA	N23022, AI742147, AA399952, AA773713, AI917300,
			present invention are one or more	AA773709,	AA768407,	N47504, AI	AA773709, AA768407, N47504, AI339083, AI743525,
			polynucleotides comprising a	AI276208,	AI393759,	AA933833,	AI276208, AI393759, AA933833, H97027, H97002,
			nucleotide sequence described by	AI401278,	AI952505,	AI401278, AI952505, AW294197, AA844082,	AA844082,
			the general formula of a-b, where a	AI990110,	AI770034,	AI990110, AI770034, AI973154, AI381716,	AI381716,
			is any integer between 1 to 877 of	AA620473,	AI990671,	AA620473, AI990671, AA256663, N47503	N47503
			SEQ ID NO:1798, b is an integer of				
			15 to 891, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
		_	NO:1798, and where b is greater				
			than or equal to a + 14.				
1799	HCRNV59	877167	Preferably excluded from the	AAS15852,		AA806034, AA642399,	AI804718,
		_	present invention are one or more	AA805516,		AI494462, AI478789,	AW236212,
			polynucleotides comprising a	AA252353,			AA761615,
			nucleotide sequence described by	AA603497,	AL134524,	AL134110, AA252268,	AA252268,
			the general formula of a-b, where a	AL047163,	AL042898,	AL135012, AL042468,	AL042468,
			is any integer between 1 to 420 of	AL042523,	AL042420,	AL042420, AL045327, AL045494	AL045494,
			SEQ ID NO:1799, b is an integer of	AL042741,	AL045891,		U46344, AL049280, AR066494,
			15 to 434, where both a and b	AL133053,	AL122101		
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1799, and where b is greater				
			than or equal to a + 14.				
1800	HCQDP52	877168	Preferably excluded from the	N94138, AL042183	L042183		

AA305314, AI656138	Preferably excluded from the	877171	HCYBH52	1803
	than or equal to a + 14.			
	NO:1802, and where b is greater			
	nucleotide residues shown in SEQ ID			
	correspond to the positions of			
	15 to 910, where both a and b			
	SEQ ID NO:1802, b is an integer of			
	is any integer between 1 to 896 of	-		
	the general formula of a-b, where a			
	nucleotide sequence described by			
AA446881, AF155106, AB033107	polynucleotides comprising a			
AA491075, AA588390, N20112, AW377547, AI888417,	present invention are one or more		7	
AI432361, AI394416, AI075852, AA479958,	Preferably excluded from the	877170	HWLMX0	1802
	than or equal to a + 14.			
	NO:1801, and where b is greater			
	nucleotide residues shown in SEQ ID			
	correspond to the positions of			
	15 to 695, where both a and b			
	SEQ ID NO:1801, b is an integer of			
	is any integer between 1 to 681 of			
	the general formula of a-b, where a			
	nucleotide sequence described by			
	polynucleotides comprising a			
	present invention are one or more			
W32491, AI557416, AA641955, AC007250	Preferably excluded from the	877169	HFAAH06	1801
	than or equal to a + 14.			
	NO:1800, and where b is greater			
	nucleotide residues shown in SEQ ID			
	correspond to the positions of			
	15 to 449, where both a and b			
	SEQ ID NO:1800, b is an integer of			
	is any integer between 1 to 435 of			
	the general formula of a-b, where a			
	nucleotide sequence described by			
	polynucleotides comprising a			
	present invention are one or more			

et Q	AA232079, AF110400, AB018122 a	A1973079, AA813801, AA191593 a	
present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 526 of EEQ ID No:1803, b is an integer of 15 to 540, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID No:1803, and where b is greater than or equal to a + 14.	preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 217 of SEQ ID NO:1804, b is an integer of 15 to 231, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1804, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynuclectides compristing a polynuclectide sequence described by the general formula of a-b, where a is any integer between 1 to 374 of SEQ ID NO:1805, b is an integer of 15 to 388, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1805, and where b is greater than or equal to a + 14.	Preferably excluded from the
	877173	877174	877175
	HCRNX51	ннерр92	HCQAB45
	1804	1805	1806

1807 HCYBG53 1808 HCQDF43	53 877176	MMH D 1 V 1 V H H P H H H H H H H H H H H H H H H H	AA305151, H10843	H10843			
		NO:1808, and where b is greater than or equal to a + 14.			į		
1809 HSHBU44	44 877184	Preferably excluded from the	AI683284,	AW207832,	AI683284, AW207832, AB007917, AB024568,	AB024568,	E17301,

			present invention are one or more	E17300
			polynucleotides comprising a	
_			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 842 of	
			SEQ ID NO:1809, b is an integer of	
			15 to 856, where both a and b	
		_	correspond to the positions of	
			nucleotide residues shown in SEQ ID	
		_	NO:1809, and where b is greater	
			than or equal to a + 14.	
1810	HLHSE50	877185	Preferably excluded from the	AA600172, AC005007
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 648 of	
			SEQ ID NO:1810, b is an integer of	
			15 to 662, where both a and b	
	_		correspond to the positions of	
			nucleotide residues shown in SEQ ID	
_			NO:1810, and where b is greater	
			than or equal to a + 14.	
1181	69AGSOH	877187	Preferably excluded from the	AI769803, AI769743, AI986284, AI031834,
			present invention are one or more	AI017244, AI247689, AI336761, AW445026,
			polynucleotides comprising a	AA933877, AA947886, AI347451, AI344592,
		_	nucleotide sequence described by	AI580382, AW302464, AA702771, AA923510,
			the general formula of a-b, where a	AI302541, WB8655, N74646, AI343716, AA854730,
			is any integer between 1 to 677 of	H66770, H62545, W88899, U66036, AB008164,
			SEQ ID NO:1811, b is an integer of	AF026303, AJ238392
			15 to 691, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
		_	NO:1811, and where b is greater	
			than or equal to a + 14.	
1812	HCRMH42	877189	Preferably excluded from the	AL119483, AL119484, AL119418, AA554958,

				100000000000000000000000000000000000000				
			present invention are one or more polynucleotides comprising a	AC006576,	284466, ACAPO01053.	ACOUSS/6, Z84466, ACUU8U12, ACOOS480, ACUUS/01, ACOO4651, APOO1053, AF019413, M20903, ACO04968,	M20903	AC005701,
			nucleotide sequence described by	AC004966				
			the general formula of a-b, where a					
			is any integer between 1 to 601 of					
			SEQ ID NO:1812, b is an integer of					
			15 to 615, where both a and b					
			correspond to the positions of	_				
			nucleotide residues shown in SEQ ID					
			NO:1812, and where b is greater					
			than or equal to a + 14.					
1813	HSKZE25	877191	Preferably excluded from the	AI740516,	AI739132,	AI740516, AI739132, AA631257, AI741376,	AI74137	, è
	_		present invention are one or more	AW068935,	AI467852,	AW068935, AI467852, AI123717,	AI754551,	,,
			polynucleotides comprising a	AI752240,	AW205510,	AI752240, AW205510, AA464510, AW044211,	AW04421	٦,
			nucleotide sequence described by	AW028889,	AW198033,	AW028889, AW198033, AI538632, AA513096	AA51309	10
			the general formula of a-b, where a					
			is any integer between 1 to 1191 of					
			SEQ ID NO:1813, b is an integer of					
			15 to 1205, where both a and b					
			correspond to the positions of					
_			nucleotide residues shown in SEQ ID					
			NO:1813, and where b is greater					
			than or equal to a + 14.					
1814	HCRMP38	877194	Preferably excluded from the	AI623320, AL023654	AL023654			
			present invention are one or more					
			polynucleotides comprising a					
			nucleotide sequence described by					
	_		the general formula of a-b, where a					
			is any integer between 1 to 586 of					
			SEQ ID NO:1814, b is an integer of					
			15 to 600, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1814, and where b is greater					
			than or equal to a + 14.					
1815	HDPXD55	877195	Preferably excluded from the	AL110186, AB011097	AB011097			

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		1915081 ATR84861
	R70883 A127417 A1678616 F08214 A1859744	708214 AI859744
	AA831801, AA832457, AA832016, AI922614,	AI922614,
	AW341882, AI798242, AA484892, AA610255,	AA610255, N92697,
	AA609826, AI631059, AI797998, AI869786,	AI869786, F08655,
	AA598605, AI038324, AA857812, AI018726	AI018726,
		, AW019964,
	AA904211, AI383596, H59611, AI150934, H59651,	AI150934, H59651,
	AI889426, AW078821, AW390284, AI347665,	, AI347665,
-	A1860535, AA644223, AA581498, AA020882,	, AA020882,
_	A1472736, F33820, AW440568, R99613, AA678932,	399613, AA678932,
		AW270429, N67313,
	AW270351, AA362791, AI803741, AI889995,	, AI889995,
	AI359200, AA126814, AI419337, AI361090,	, AI361090,
		, AI114645,
	AA345594, AW192518, AI671077, AW026305	, AW026305,
	AA579281, H39839, AW303822,	H39839, AW303822, AA856815, AL039761,
_	AA643829, AA402113, AI289050, AA653291	, AA653291,
	AA436140, AI358776, F17537, AI284092, H38901,	AI284092, H38901,
	AI123488, AA603558, AI246061, AA501867,	, AAS01867,
		, AF035397,
	AF086459, AF130357, AC007656,	, AF111169,
	AC005231, AC002316, AP000350, AP000045,	, AP000045,
	AL049830, AC004820, AL133448, AC004990,	, AC004990, Z49258,
	AC007055, AL121603, AL031984, AC06084,	, AC006084, L78810,
	Z82208, X51956, AL031602, U47924, U85195	7924, U85195,
_	AC003029, AE000658, AC006251, AC005696,	, AC005696,
	AC007878, AL049692, AC005480, AC005082.	, AC005082,
	AC000379, AC007057, AL049872, AC005006,	, AC005006,
	AL031433, AC005484, AL031295, AC007687,	, AC007687,
	AC005089, AL096791, AC002312, AL050305,	, AL050305,
	AC006443, AL031728, AL133371, AC002432,	, AC002432,
	AL049839, AC007225, AC005330, AC004841,	, AC004841,
	AC002365, Y10196, AC004408, AC005212, AL022240,	AC005212, AL022240,
	AC005332, AC005514, AL033527, AL049643	, AL049643,

	AL049694, AC005048, AC005902, AC010205,
	AC004383, AL049553, AC004148, AF064866,
	AC003982, AF196779, AL049641, AC008041, L44140,
	AJ003147, AC005778, AC003101, AC005695,
	AL121652, AC006359, AL024498, AP000113,
	AC003107, AP000352, AC000026, AC004675,
	AL020997, Z83844, AL035425, AC000359, AC007666,
	AL008582, AL049569, AC006115, AP000130,
	AP000208, AC005209, AC003036, AC005632,
	AC006455, AP000247, AL023879, U91318, AF088219,
	U95739, AC005971, Z95115, AL034377, AC004804,
	AL049780, Z69715, AP000304, AL109827, AF067844,
	AL031311, AC000031, AF053356, AC006965,
	AC006312, AL022165, AC003002, AC007021,
-	AC004081, AC007350, AC005102, AF124523, Z69890,
	D84394, AC005943, AC003973, AC004685, AC007014,
	AC004797, AL035405, AC005355, Z98051, AC008078,
-	AC004796, AC004447, AC004815, AC006211,
	AC005015, AC007686, AC004638, Z73988, AC004230,
	284466, AC004883, AC007688, AC007707, AC012085,
	AL049538, AL050347, AC009330, AC004583,
	AL117330, AC008372, AC005726, AC007376,
	AC003692,
	AL031774,
	AC004079, AL022719, AC002115, AC004819,
	AC005365, AL008729, AF217403, AL132985,
	AC004185, AC005844, AL035403, AC004539,
	AP000115, AP000695, AC009247, AL031730,
	AC002429, AL109963, AL033523, AC000112,
	AC007263, AL133245, AL031053, AL021397,
	AC002072, AF134726, AL031659, AC012627,

				AL122020, AL021154, AC005666, AL136295, AC002504, AL080317, AC006111, AC004526,
	-			
				AC011331, AC005874, AF134471, AF109907,
				AC005969, AC006160, AL133244, AC002550,
				AL022313, AI632057
1818	HSDZB30	877205	Preferably excluded from the	AA129439, AA425398, AI381416, R17127, AI418660,
			present invention are one or more	AA314750, F32787, AI590092, AW021547, AA151302,
			polynucleotides comprising a	Z42142, AA904204, U77327, AF064105
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 807 of	
			SEQ ID NO:1818, b is an integer of	
			15 to 821, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1818, and where b is greater	
			than or equal to a + 14.	•
1819	HWLWHS	877206	Preferably excluded from the	AI989601, AC005593
	9		present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 356 of	
			SEQ ID NO:1819, b is an integer of	
			15 to 370, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1819, and where b is greater	
		_	than or equal to a + 14.	
1820	HWLOT46	877207	Preferably excluded from the	
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 388 of	

teger of d b s of in SEQ ID	he or more a a a a a a a a a a a a a a a a a a a	he or more or bed by a consider of the consideration	Preferably excluded from the pa922141, AASO5358, AAS15537, AI419152, present invention are one or more polynucleotides comprising a N46444, N48945, R45147, Z45425, R55783, R43907, R14995, AA348815, AB032971
SEQ ID NO:1820, b is an integer of 15 to 402, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1820, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 334 of SEQ ID NO:1821, b is an integer of 15 to 348, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1821, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynuclectides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 498 of SEQ ID No:1822, b is an integer of 15 to 512, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1822, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a
	877208	877211	877212
	HOVCR67	HLHSV54	HSYBZ84
	1821	1822	1823

			SEO ID NO:1823. b is an integer of	
			15 to 940, where both a and b	-
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1823, and where b is greater	
			than or equal to a + 14.	
1824	H2LAC34	877213	Preferably excluded from the	AA304651, AI372785, AA496464, R09787, D59627,
			present invention are one or more	C16955, D45273, D80168, D52291, D51213, T03048,
			polynucleotides comprising a	D59695, C14298, D51079, D80949, D80258, Z33452,
			nucleotide sequence described by	AW360780, D59503, C14407, D58246, D80014,
			the general formula of a-b, where a	C14227, D80064, AI535686, D81111, T11417,
			is any integer between 1 to 488 of	T02974, AW377669, D58101, D52059, H67854,
			SEQ ID NO:1824, b is an integer of	D59317, D80038, H67866, AI525216, AI525228,
			15 to 502, where both a and b	AA809122, AA305578, D50979, D80195, D52317,
			correspond to the positions of	C15076, D80193, D80251, D59551, C06015, D81026,
			nucleotide residues shown in SEQ ID	D80269, D80022, D59467, D80164, D59275, D80045,
			NO:1824, and where b is greater	D80227, D59502, AI557774, D80302, C14389,
			than or equal to a + 14.	AW377661, F13647, D51423, D58283, D80166,
				AIS57751, D80439, T03116, D81030, D80188,
				D57483, C03092, D80043, D80157, D51103, D59859,
				C14331, D80212, D80268, D80366, D59889, C14973,
				D80196, D59619, D80133, D80247, D51022, D80210,
				D51799, D80391, D80240, D80253, D80219, D59787,
				D50995, AA305409, C04682, D80024, C14344,
				Z21582, D59474, AI525969, D80248, D59610,
				C14014, D51221, Z30160, D80522, AA514188,
				T02868, D59927, D31458, D80378, AI525238,
				C13958, H67858, AI525242, D45260, AA514186,
				AI525923, AI525227, D80241, AA514184, AI525978,
				AI525912, AI535961, C05763, AI525235, AI525920,
				AI525917, AI525215, T11191, AI525237, AI525903,
				AI525922, AI525907, AI525925, AI525914,
		_		AR016808, X64588, AB010386, AR060385, AJ132110,
				AB028859, AB019242, A82595, A84916, AB002449,
				114842, I79511, AR008278, U37689, I81198,
				A62300, A62298, AR054175, AR008277, AR008281,

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Preferably excluded from the
present invention are one of more polynucleotides comprising a
nucleotide sequence described by
is any integer between 1 to 627 of
SEQ ID NO:1825, b is an integer of
15 to 641, where both a and b
correspond to the positions of
nucleotide residues shown in SEQ ID
NO:1825, and where b is greater
than or equal to a + 14.
Preferably excluded from the
present invention are one or
polynucleotides comprising a
nucleotide sequence described by
the general formula of a-b, where a
is any integer between 1 to 433 of
SEQ ID NO:1826, b is an integer of
15 to 447, where both a and b
correspond to the positions of
nucleotide residues shown in SEQ ID
NO:1826, and where b is greater
than or equal to a + 14.
Preferably excluded from the
present invention are one or more
polynucleotides comprising a
nucleotide sequence described by
the general formula of a-b, where a
is any integer between 1 to 576 of
SEQ ID NO:1827, b is an integer of
15 to 590, where both a and b
correspond to the positions of
nucleotide residues shown in SEQ
NO:1827, and where b is greater

			1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 +		
1828	HFII728	877220	Preferably excluded from the	AA812688, AI418599, AI151240, AI808902	AI808902.
}			present invention are one or more	AI379148, AA878931, AI241082, AA938582,	AA938582,
			polynucleotides comprising a	AI913473, AA194942, N30395, AA	N30395, AA523704, AI379226,
			nucleotide sequence described by	AI886468, AI472706, AI336385, AI287668	AI287668,
			the general formula of a-b, where a	AA742997, AI754786, AW085594,	AW085594, AA876827,
			is any integer between 1 to 411 of	AI283450, AL044439, AA180129,	AA180129, AA525768,
			SEQ ID NO:1828, b is an integer of	AA282183, AA628042, AA627935,	AA916288,
			15 to 425, where both a and b	AI339391, AI289442, AL034430	
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1828, and where b is greater		
			than or equal to a + 14.		
1829	HCQDK28	877222	Preferably excluded from the	N75183, AI366031, F12542, T74151, AC012627	151, AC012627
			present invention are one or more		
			polynucleotides comprising a		
			nucleotide sequence described by		
			the general formula of a-b, where a		
			is any integer between 1 to 368 of		
			SEQ ID NO:1829, b is an integer of		
			15 to 382, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1829, and where b is greater		
			than or equal to a + 14.		
1830	HHEQ129	877229	Preferably excluded from the	AA446316, AA446497, AI198963, H38387, AI444827	H38387, AI444827
			present invention are one or more		
			polynucleotides comprising a		
			nucleotide sequence described by		
			the general formula of a-b, where a		
			is any integer between 1 to 818 of		
			SEQ ID NO:1830, b is an integer of		
			15 to 832, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1830, and where b is greater		

			than or equal to a + 14.	
1831	HTWFA44	877230	Preferably excluded from the	AI948974, AW150262, AW005687, AI805463.
				AI760052. AW130854. AI092715. AI561048.
			polynucleotides comprising a	A1417784, AA846295, AI027808, AI073757,
			nucleotide sequence described by	A1034006. N33620. A1215790. A1393040. A1022090.
			the general formula of a-b, where a	H95228 AT401833 AA771890 N92602 AW103347
			is any integer between 1 to 576 of	AA496978, H95430, AA747344, AW183814, F22014,
			SEO ID NO: 1831, b is an integer of	N56754, A1942322, A1313099, AA040794, A1470290
			15 to 590, where both a and b	
_			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1831, and where b is greater	
			than or equal to a + 14.	
1832	HOCMF20	877231	Preferably excluded from the	AL135440, W20119, AI810591, AI089310, AA044704,
			present invention are one or more	AA099241, AI806853, AA039903, AI420778,
			polynucleotides comprising a	AI151415, AI093762, AI982907, AI871680,
			nucleotide sequence described by	AI076492, AA099143, AI246659, AA041527,
			the general formula of a-b, where a	AA477336, AI188305, AI088688, W87880, W80803,
			is any integer between 1 to 3252 of	
			SEQ ID NO:1832, b is an integer of	AI768938, AA669926, AA523605, AA313436,
			15 to 3266, where both a and b	AI452952, AI569996, AI354883, R61620, N72558,
			correspond to the positions of	AW013938, W92312, AI168582, N33871, AI189869,
			nucleotide residues shown in SEQ ID	W45147, AI151417, AI280515, W92299, AI379400,
			NO:1832, and where b is greater	AA406620, AI636575, AA214649, W81054, AA748471,
			than or equal to a + 14.	AA705551, AA723161, R70656, AI086670, C17933,
				AA830207, AW262560, W02383, AA906264, AA056377,
				AA040375, AI276236, AI141343, AA868115,
				AA862839, AI275375, H10905, AA129975, R80462,
				W45096, AA846612, AA847843, W87765, AA411692,
				AA369318, AI309745, AA359784, AA398795,
				AA044640, AA334622, AA367594, AI478815,
				AW054686, Z44983, AA367593, AI990089, R01145,
				AI954539, AI990659, AA379173, Z40721, AI886597,
	_			AI024032, R60952, AA670197, AA435840, AW389160,
-	_			AA847919, R80663, AA056474, AA248230, N81095,
				AI206251, AI476295, AA211075, AI619485, N90439,

				R05760. A	R05760, AA079305, W07456, AA079306, AA847920.	17456. AAO	19306. AA84	7920.
				AW387693,	AW387693, AI925404, AI689470, AI953765,	A1689470,	AI953765,	
				AI470293,	AI470293, AA806719, AA631120, AI889818,	AA631120,	AI889818,	-
				AI274527,	AI274527, AI249962, AI932739, AI888621,	AI932739,	AI888621,	
				AI365256,	AI365256, AI679095, AW149876, AF003626, Y10043,	AW149876,	AF003626,	Y10043,
				AF022465,	Z83826, Z	Z83826, Z93931, AC002526, Y10044	2526, Y100	144,
				AC005479,	AC005479, AL024505, AL034450, AC002375,	AL034450,	AC002375,	
				AL049709,	AL049709, AL035420, AF047701, L05085, AC004493,	AF047701,	L05085, AC	3004493,
				AF026008,	Z20724, Z20735	20735		
1833	HWMBOS	877232	Preferably excluded from the	AI289115,	AI289115, AA653396, AI280875, AW439596	AI280875,	AW439596,	
	0		present invention are one or more	AA147044,	AA147044, AI683907, AI186619, AW191991,	AI186619,	AW191991,	
			polynucleotides comprising a	AI422310,	AI422310, AI653662, AA825197, AA854077,	AA825197,	AA854077,	
			nucleotide sequence described by	AA916637,	AA916637, AA810755, AI624228, AI763289, AA449797	AI624228,	AI763289,	AA449797
			the general formula of a-b, where a					
			is any integer between 1 to 844 of					
			SEQ ID NO:1833, b is an integer of					
			15 to 858, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1833, and where b is greater					
			than or equal to a + 14.					
1834	нсовр64	877233	Preferably excluded from the	AW008122,	AW008122, AC005021, L48431	L48431		
			present invention are one or more					
			polynucleotides comprising a					
			nucleotide sequence described by	-				
	_		the general formula of a-b, where a					
			is any integer between 1 to 283 of					
			SEQ ID NO:1834, b is an integer of					
			15 to 297, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1834, and where b is greater					
			than or equal to a + 14.					
1835	HATAP30	877234	Preferably excluded from the	AI828084,	AI828084, AW292950, AI955290, AI425012, D54798,	AI955290,	AI425012,	D54798,
			present invention are one or more	AA101714,	AA101714, AA661732, AI082095, AI433898,	AI082095,	AI433898,	N78571,
			polynucleotides comprising a	AA563807,	AA563807, AI457762, AA460668, AA101715	AA460668,	AA101715,	

			nucleotide sequence described by the general formula of a-b, where a	AI148116, AI276830, AI378227, AI148121, AI082653, AI972872, AA631712, AI272196,
			is any integer between 1 to 1244 of	AA603075, AI018047, AI453834, AI223254,
			SEQ ID NOTIESS, D is an integer of	Alosecs, Amzyssu', Alzsue', Alskyl', Ilysss, T33356, AA761507, Al272883, R51104, AA644592,
•			correspond to the positions of	T03688, A1274939, A1268664, A1690246, T33873,
			nucleotide residues shown in SEQ ID	N52587, AA461016, T32236, AA464590, AA693417,
			NO:1835, and where b is greater	AI470644, F09140, F10434, H06959, H22931,
			than or equal to a + 14.	AA318879, T15930, AL120494, AA371748, N75010,
				R41316, R41317, AI834293, D81373, AA767242,
				AW386979, R42324, T33358, T33357, AI366186,
				T27271, W01584, AI700577, AI767391, AI760808,
				W26393, W07166, AA861382, AI816326, AI291384,
				AI913952, W05753, AA488932, AA411945, T09288,
				R11766, H24112, AW293062, AI277039, R18459,
				R18460, AI302024, F12831, AB002385, AC006372,
				U66702, U81561, U65065, U73458, A63346, A63355,
				AF007555, Y08569, A63357, U91574, U82439,
				U57345, Z50735
1836	H2LBB51	877235	Preferably excluded from the	AA316077, AW407693, R35424, AL121134, AA356852,
			present invention are one or more	F12867, AA776842, AW163365, M74089
		. —	polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 747 of	
			SEQ ID NO:1836, b is an integer of	
			15 to 761, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1836, and where b is greater	
			than or equal to a + 14.	
1837	H6EDT19	877237	Preferably excluded from the	AA402106, AI734033, AA401995, AI821646, AW438634
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	

			is any integer between 1 to 911 of SEO ID NO:1837, b is an integer of	
			15 to 925, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1837, and where b is greater	
		,	than or equal to a + 14.	
1838	HWLOW8	877240	Preferably excluded from the	W53026, AP180919
	7		present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 528 of	
			SEQ ID NO:1838, b is an integer of	
			15 to 542, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1838, and where b is greater	
			than or equal to a + 14.	
1839	HWLMB22	877242	Preferably excluded from the	W92133, AL035400
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 428 of	
			SEQ ID NO:1839, b is an integer of	
			15 to 442, where both a and b	
	_		correspond to the positions of	
	_		nucleotide residues shown in SEQ ID	
			NO:1839, and where b is greater	
			than or equal to a + 14.	
1840	H2CBA14	877247	Preferably excluded from the	AA307110, AI791261, N36579, D80195, D59467,
			present invention are one or more	D80164, C15076, D80227, D80269, D59275, D59502,
	•••		polynucleotides comprising a	D58283, D59859, D80022, C14331, D80166, D51799,
			nucleotide sequence described by	D51423, D59619, D59610, D80210, D80391, D80240,
			the general formula of a-b, where a	D80253, D80043, D59787, D81030, D80038,

	is any integer between 1 to 501 of	AA305409, D80378, D80212, D80366, D50979,
_	SEQ ID NO:1840, b is an integer of	D80193, D80196, D80188, D80219, D59927, D57483,
	15 to 515, where both a and b	D50995, D59889, D80241, C14389, D80024, D80045,
_	correspond to the positions of	T03269, C75259, AW178893, D51022, C14014,
	nucleotide residues shown in SEQ ID	AW378532, AW178775, AI732942, AA305578,
	NO:1840, and where b is greater	AW179328, D80134, AW177440, D81026, D51250,
	than or equal to a + 14.	D80302, D80251, AA514188, AW352158, D80248,
		D80522, F13647, D80268, AW378540, D80168,
_		AW178762, C14298, D58253, AW177501, AW177511,
		D80064, D80133, AW352117, C14227, C14407,
		221582, AW377671, D81111, AW360834, AA514186,
		AW360811, AW375405, D80132, D80439, AW366296,
		D80247, AW360817, AW375406, AW178905, AW378534,
		AW352171, AW179332, AW377676, AW377672,
		AW179023, AW178906, AW178754, AW179024,
		AW178907, AA285331, AW179020, AI557751,
		AW177456, C06015, D51097, AW352170, AW177731,
		D51103, AW179019, AW179018, T03116, D80157,
_		AW378528, AW178908, AI557774, AW352174,
		AW178914, AW178781, AW378543, AW378525,
		AW352163, D80258, AI525923, D80014, T48593,
		D59627, AW178774, AW378539, D45260, AA809122,
		T11417, H67866, D45273, C03092, H67854,
		AW367950, AI525227, D51213, AW178986, D59317,
		D59503, T02974, D58246, C14973, AI525917,
		AW179013, T03048, C14344, AW378533, AIS35686,
		D51221, D59474, AI525920, D59551, AA514184,
		D58101, 230160, H67858, AI525925, AI525235,
_		AI525242, T02868, Z33452, AI525239, C16955,
		AI525912, AI525237, AI525215, AW378542, C13958,
•		D31458, A84916, AJ132110, A62300, A62298,
		AR018138, X67155, Y17188, D26022, A25909,
		A67220, D89785, A78862, D34614, AF058696,
		D88547, AR008278, AB028859, X82626, AR025207,
		A82595, Y12724, A94995, AR060385, AB002449,
_		AB012117, AR066482, X68127, AR008443, A85396,

			150126, 150132, 150128, 150133, A44171, A85477,
			X93549, AR060138, A45456, A26615, AR052274,
			I14842, Y09669, A43192, A43190, AR038669,
	_		AROSS487, AROS4175, A30438, 11/187, 1/9511, 118367, A63261, D50010, AROO8277, AROO8281.
			AR062872, A70867, D88507, AR016691, AR016690,
			U46128, AR008408, AF135125, A64136, A68321,
			D13509, AR060133, U87247, AB033111, AR064240
HCRNM80	877250	Preferably excluded from the	AI479603, AW190581, AA573923, AA883422,
		present invention are one or more	AA625554, AW172498, AI031618, AI910454,
		polynucleotides comprising a	AI332605, AI738984, AA910770, N30717, AA146619,
		nucleotide sequence described by	AI348584, AA309589, AA143550, AA146653,
		the general formula of a-b, where a	AW293078, AA625575, AA625979, AA676991,
		is any integer between 1 to 1013 of	AW384713, AA494197, AA679394, AA085095,
		SEQ ID NO:1841, b is an integer of	AIB00002, AI739098, AI126129, N41331, AI682193,
		15 to 1027, where both a and b	R00299, AA143647, H79815, AA626482, AW362188,
		correspond to the positions of	AI372964, C05152, N75441, AA085143, W89067,
		nucleotide residues shown in SEQ ID	AI290775, AI202571, T99951, AW008713, W95658,
		NO:1841, and where b is greater	AW384743, R45400, AI201781, AW389792, AW389779,
_		than or equal to a + 14.	AW389790, W95657, AA721631, AA354111, AW389774,
			AW192109, R29667, AW389836, AA515518, C03882,
HCQCC04	877251	Preferably excluded from the	N65940, H82959, H72780, R09098, H90731
		present invention are one or more	
		polynucleotides comprising a	
		nucleotide sequence described by	
	_	the general formula of a-b, where a	
		is any integer between 1 to 430 of	
		SEQ ID NO:1842, b is an integer of	
		15 to 444, where both a and b	
_		correspond to the positions of	
		nucleotide residues shown in SEQ ID	
		NO:1842, and where b is greater	
		than or equal to a + 14.	
HCQC117	877254	Preferably excluded from the	AA129983, M73489, S57551, D17513, Z74734

one or more lsing a sscribed by a 1 to 536 of a and b ttions of town in SEQ ID list greater is served.	rom the AL135394, W87908, AB002331 one or more ling a scribed by [a-b, where a n 1 to 312 of n a n integer of a and b ltions of thown in SBQ ID hown in SBQ ID how in SBQ ID hown in SBQ ID how i	rom the One or more lising a secribed by f a-b, where a n 1 to 563 of a and b itions of hown in SEQ ID	rom the AW130559, AA604942, AI125644, AI703464.
present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 536 of 550 ID NO:1843, b is an integer of 15 to 550, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1843, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 312 of 50 IO NO:1844, b is an integer of 15 to 326, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1844, and where b is greater than or equal to a + 14.	preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 563 of 550 ID NO:1845, b is an integer of 15 to 577, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1845, and where b is greater than or equal to a + 14,	Preferably excluded from the
	877255	877256	877257
	HFIYJ63	HWLOW5	HHFBA07
	1844	1845	1846

			present invention are one or more	AW103052, AI391708, AI452537, AI460380,	1460380,
			polynucleotides comprising a	AI050784, AI949725, AI052071, AW237646,	4237646,
			nucleotide sequence described by	AI538701, AI435508, AA621302, AA233121,	4233121,
			the general formula of a-b, where a	AI348838, AI339780, AI800246, T67212, AI144461,	57212, AI144461,
			is any integer between 1 to 718 of	AW130699, AA527371, AW205441, AA346401,	4346401,
			SEQ ID NO:1846, b is an integer of	AI247525, AI352551, AI651506, AA707110, R46530,	4707110, R46530,
			15 to 732, where both a and b	AI927033, AI560516, R46529, AI918364, N75541,	18364, N75541,
			correspond to the positions of	R51933, R72231, H45846, T67213, AA627945,	AA627945,
			nucleotide residues shown in SEQ ID	N40063, AA233205	
			NO:1846, and where b is greater		
			than or equal to a + 14.		
1847	HWLD051	877258	Preferably excluded from the	AI830540, AA357636, AA516122, AI	AI391596,
			present invention are one or more	AI670727, AA814145, AA661893, AA554670,	4554670,
			polynucleotides comprising a	AI335153, AW157547, AI862260, D31492, AA992253,	31492, AA992253,
			nucleotide sequence described by	AA972187, AI271839, AI218276, AC005606, AC005363	C005606, AC005363
			the general formula of a-b, where a		
			is any integer between 1 to 302 of		
		-	SEQ ID NO:1847, b is an integer of		
			15 to 316, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1847, and where b is greater		
			than or equal to a + 14.		
1848	HLSAE05	877261	Preferably excluded from the	AA307126, Z99396, AW392670, AW372827, AW384394,	72827, AW384394,
			present invention are one or more	AW363220, AL119335, AL119497, AL119443,	L119443,
			polynucleotides comprising a	AL119522, AL119319, AL119363, AL119496, U46341,	L119496, U46341,
			nucleotide sequence described by	AL119457, AL119324, AL119483, AL119484	L119484,
			the general formula of a-b, where a	AL119391, AL119341, AL119355, U46350, U46349,	46350, U46349,
			is any integer between 1 to 703 of	AL119396, U46351, AL119418, AL036418, AL038837,	36418, AL038837,
			SEQ ID NO:1848, b is an integer of	AL037051, AL036725, AA631969, U46346, AL119444,	46346, AL119444,
	_		15 to 717, where both a and b	U46347, AL042614, AL042965, U46345, AL134518,	345, AL134518,
			correspond to the positions of	AL036858, AL134533, AL042970, AL134524,	L134524,
			nucleotide residues shown in SEQ ID	AL119439, AL037205, AL134528, AL042975,	L042975,
			NO:1848, and where b is greater	AL119401, AI142137, AL119399, AI	AL036924,
			than or equal to a + 14.	AL042984, AL042551, AL134538, AL042433,	L042433,
				AL042995, AL119320, AL042850, AL119488,	L119488,

AL038509, AL042450, AL043019, AL043029, AL037085, AL042544, AL042542, AL042896, AL1037094, AL037526, AL036196, AL037639, AL119304, AL043003, AL036268, AL037632, AL036767, AL034003, AL036190, AL119464, AL036774, AL038520, AL036998, AL038851, AL038447, AL036733, AL037178, AL036238, AL036191, AL033679, AB1671, AR060234, AR066494, AR023813, AR064707, AR069079, AR054110, AB026436	AA305049, N50596, AL120893, U55937, U81001	AI183955, AW136574, AI654355, D13902, D13897, L25648, AC007993, D13899, M17523, S57220,
स्य स्वयं स्वय स्वयं स्वयं स्	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 349 of 15 to 363, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1849, and where b is greater than or equal to a + 14. Preferably excluded from the present invention are one or more polynucleotides equence described by the general formula of a-b, where a is any integer between 1 to 522 of 520 ID NO:1850, b is an integer of 15 to 536, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1850, b is an integer of 15 to 536, where both a and b correspond to the positions of than or equal to a + 14.	Preferably excluded from the A present invention are one or more L
	877264	877272
	HCYBD05	HKLSD44
	1850	1881

			polynucleotides comprising a	L37369, Z58904
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 522 of	
			SEQ ID NO:1851, b is an integer of	
			15 to 536, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1851, and where b is greater	
			than or equal to a + 14.	
1852	HFIXP45	877274	Preferably excluded from the	U69202, AI341555, AI808490, AI347923, AA903736,
			present invention are one or more	AA210763, AI139380, AI631374, AA129554, W70085,
			polynucleotides comprising a	AI648656, AA932877, AA136568, R39447, F09386,
_			nucleotide sequence described by	AI351322, AW001825, T77200, F11728, T09089,
			the general formula of a-b, where a	T10129, H17528, T10128, AI867156, R59448,
			is any integer between 1 to 1991 of	R59388, AI868687, Z19406, AI474036, Z42465,
			SEQ ID NO:1852, b is an integer of	Z28503, Z38662, F06906, F04874, R13169, H17840,
	-		15 to 2005, where both a and b	AA348361, R13170, Z45682, AB000814, D89722,
			correspond to the positions of	U60415, AF044288, AB000812, AB000813, AB012600,
			nucleotide residues shown in SEQ ID	U51627, AF015953, AB012601, AB015203, AB012602,
			NO:1852, and where b is greater	AB014494, AF070917, AB000815, AB000816
			than or equal to a + 14.	
1853	HAQNS64	877275	Preferably excluded from the	AC005740
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 552 of	
			SEQ ID NO:1853, b is an integer of	
			15 to 566, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1853, and where b is greater	
			than or equal to a + 14.	
1854	нсордоэн	877280	Preferably excluded from the	N99659, AW404075, AA469906, AI142357, AI142321,
			present invention are one or more	AA316159, N42495, R57922, Z59290

			polynucleotides comprising a				
			the general formula of a-b. where a				
			is any integer between 1 to 236 of				
			SEQ ID NO:1854, b is an integer of				
			15 to 250, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1854, and where b is greater				
			than or equal to a + 14.				
1855	нсосъ81	877281	Preferably excluded from the	AI207647,	AI207647, AI065109, AI207735, AI133231,	A1207735,	AI133231,
			present invention are one or more	AI065011,	AI065011, AI133300,	AI110723,	AI132917,
			polynucleotides comprising a	AI064699,	AI064699, AI114870, AI064757, AI133022,	AI064757,	AI133022,
			nucleotide sequence described by	AI207442,	AI133620, AI174820, AI132979,	AI174820,	AI132979,
			the general formula of a-b, where a	AI207715,	AI207715, AI110641,	AI133496,	AA293047,
			is any integer between 1 to 1145 of	AL047029,	AA401001,	AA477957,	AI827434,
			SEQ ID NO:1855, b is an integer of	AL119430,	AA533278,	AA149787,	AI749240,
			15 to 1159, where both a and b	AA477922,	AA876525,	AA618213,	C17649, AA663700,
			correspond to the positions of	AW082028,	AI267206,	AA563936, AI557108	AI557108,
			nucleotide residues shown in SEQ ID	AI951094,	AA516319,	C18953, A	C18953, AA654914, AA534001,
			NO:1855, and where b is greater	AA633948,	AA554486,	AA196910,	AA196910, AA554113,
			than or equal to a + 14.	AI041814,	AI174849,	AA595757,	AA595757, AA149676,
				AI536097,	AA214075,	AA548841,	W29121, AI133692,
				AA576110,	AA983610,	AI267350,	AI267350, AA502430,
				AA458987,	AA161230,	AL043123,	AL043123, AA548336,
				AA555071,	AA664569,	AW073785,	AW073785, C17145, D51211,
				AI535890,	AI253388,	C18535, C	C18535, C18706, AA783018,
				AA410807,	AA583220,	AA578683,	AA578683, AA886497,
				AA758834,	AIS24899,	AA179156,	AA179156, AI133161,
				AA224754,	AA192604,	AA595503,	AA595503, AA512996,
				AA897022,	AA514885,	AA100351,	AA293439,
				AA400969,	AA911976,	AA604469,	AA654272,
				AA197149,	AA580161,	AA889892,	AA566006,
				AA908677,	AA908677, AA095070,	AI524960,	AW368638,
				AA579806,	AA579806, AA235499, AA576180,	AA576180,	AA834302,
				AA587814,	AA587814, AI535677, AW368637, AA400809,	AW368637,	AA400809,

	CCSOLUKE	APOCHOKK DODCIDKK DOLCODKK	コロンとしつべん	A D O C D A K K	
	, 2007 VAN	, cc = cc cw	COOL TOWN	AA633974,	
	AA523492,	AA725126,	AA523492, AA725126, AA428850, AA464752,	AA464752,	
_	AA507391,	AA291811,	AA291811, AA214074, AI025574,	AI025574,	
	AA834333,	C18039, A	A143135, A	C18039, AA143135, AI910010, AA508758,	758,
	AA527764,	AA225751,	AA225751, AW373400, AA481923	AA481923,	•
	AA582805,	AA923266,	AA923266, AA554801,	AA886075,	-
	AA908596,	AA938043,	AA938043, AA879019,	AA526743,	
	AW378088,	AA554076,	AA090685,	AA985612,	
	AA595582,	AA112939,	AA564658,	AA431814,	
	AA401126,	AA492096,	AI954125,	AA709167,	
	AA171612,	AA086336,	AA532797,	AI783446,	
	AA576154,	AA470370,	AI910011,	AA583092,	
	AA564029,	AW371295,	AA680242,	AW070565,	
	AA679139,	AI91.0004,	AA620694,	AA091624,	
	AA086135,	AA453608,	AI133009,	AA886562, C03	C03930,
_	AA464751,	AA094464,	AA194368,	AI015676,	
	AA176484,	AA877931,	AI936914,	AA992091,	
	AA708229,	AA551520,	AA694521,	AI680484,	
	AW175960,	AA934835,	AW371871, AA079806	AA079806,	
	AA650245,	AA724218,		AA568749,	
	AI525240,	AA456614,		C03144, R28950, C18721,	
	AW362558,	AA506494,	AA506494, AA095478, AA649597,	AA649597,	
	AA534145,	AA630561,	AA630561, AW178904, AA632764	AA632764,	
	AA702642,	AA196736,	AA702642, AA196736, AA916453, AA181000	AA181000,	
	AA127860,	AA214682,	AA640699,	AA127860, AA214682, AA640699, C15091, AW382590,	,065
	AA210666,	AA249278,	AA210666, AA249278, AA464045,	AA194421,	
	AA216167,		AA492256, AA921332, AW364429,	AW364429,	
	AW373695,	AW373663,	AI253336, AW373685	AW373685,	
	AI832579,	AW364463,	AW364399, AA554414	AA554414,	
	AA159642,	AI004318,		H01671, AI862143, AI908712	3712,
_	AI052019,	AI565446,	AW367539, AW178905	AW178905,	
	AA193076,	AI953931,	AI708040, AA714432,	AA714432,	
	AW383933,	AI833081,	AW383933, AI833081, AA090224, AI935127,		X62996,
	X93334, M	10546, V00	X93334, M10546, V00662, J01415, D38112,	5, D38112,	
	AF134583,	AF014882,	AF134583, AF014882, AF014883, AF014888,	AF014888,	
	AF014889,	AF014890,	AF014889, AF014890, AF014892, AF014897,	AF014897,	

				AF014898, AF014901, AF014893, AF014894,
				AF014899, AF014891, AF014895, D38116, D38113,
				X93335, AF014903, AF014904, AF014917, AF014910,
				AF014920, AF014908, AF014913, X93347, AF014905,
				AF014916, AF014906, AF014907, AF014909, D38114,
1				X99256, X89843, U95646, X14848, X59268, S75895
9581	HLHEI46	877282	Preferably excluded from the	AI669644, AI925693, AA548892, AA233718,
			present invention are one or more	AI961715, AA974649, W16617, AI092738, AW207722,
			polynucleotides comprising a	AA233142, T64223, N79582, M27717, M73720,
			nucleotide sequence described by	S40234, J05118, U67914, M73718, M73719
			the general formula of a-b, where a	
			is any integer between 1 to 922 of	
			SEQ ID NO:1856, b is an integer of	
			15 to 936, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
		_	NO:1856, and where b is greater	
			than or equal to a + 14.	
1857	HCROB02	877283	Preferably excluded from the	AL043619, AI632642, AI168748, AI376972,
			present invention are one or more	AI925713, AI703467, AI681157, AI279540,
			polynucleotides comprising a	AI521713, AI888798, AA420977, N40163, AW235376,
			nucleotide sequence described by	AW027303, AI581196, AI274962, AW080693,
			the general formula of a-b, where a	AI082185, AA437229, N51345, AW337551, AA761745,
			is any integer between 1 to 520 of	AA747627, H97971, AW440981, AA129415, AA514752,
			SEQ ID NO:1857, b is an integer of	AW338816, AI264914, AW367007, AL041883,
			15 to 534, where both a and b	AI332872, AA768454, AA720670, AA281119, N67945,
			correspond to the positions of	AI358787, AI978861, D62242, R55623, AA837971,
			nucleotide residues shown in SEQ ID	AA835005, D61857, AI640690, AI695207, AA832003,
			NO:1857, and where b is greater	AI701314, D62442, AA741386, AW297680, AI453837,
			than or equal to a + 14.	AI335195, AI079445, NZ3185, AA843537, AI923841,
				AI651407, AI569072, AW070934, D63021, AI990693
1858	HFKIN68	877284	Preferably excluded from the	AI633741, AI017113, AA305124, AA227077, X58531
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	

			the general rormula or a-b, where a	
			is any integer between 1 to 1716 of	
			SEQ ID NO:1858, b is an integer of	
			15 to 1730, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1858, and where b is greater	
			than or equal to a + 14.	
1859	HWHGC93	877285	Preferably excluded from the	AW275818, AI969511, W68529, AA627916, AW275825,
			present invention are one or more	W68815, AI375939, H42716, AI611676, R48249,
			polynucleotides comprising a	AA642987, AA631033, R73789, AI800001, AW452308,
			nucleotide sequence described by	AW117862, AI474539, AI220853, AA730105,
			the general formula of a-b, where a	AA933672, H25944, AI745535, AW276480, D29313,
			is any integer between 1 to 876 of	AW381131, AW380949, C00410, AW381579, AW381130,
			SEQ ID NO:1859, b is an integer of	AI220849, H25979, AA368136, AL035408
			15 to 890, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1859, and where b is greater	
			than or equal to a + 14.	
1860	H2CBC75	877287	Preferably excluded from the	D83865, AA307061, AI400071, AA129911, D80268,
			present invention are one or more	D51060, C14389, C14014, D80522, F13647, D81026,
			polynucleotides comprising a	AW177440, Z21582, D81111, AW177501, AW177511,
			nucleotide sequence described by	C14227, D58283, D80043, T03116, D59610,
			the general formula of a-b, where a	AA305578, D80022, C14331, D50979, AW369651,
			is any integer between 1 to 544 of	AW178986, D80168, D80247, AA285331, D51022,
			SEQ ID NO:1860, b is an integer of	D80038, AA514188, AA305409, D59859, D80166,
			15 to 558, where both a and b	D50995, D80195, D59467, D51423, D59619, D80210,
			correspond to the positions of	D51799, D80391, D80164, D59275, D80240, D80253,
			nucleotide residues shown in SEQ ID	D59787, D80227, D59502, D80439, D80241, D80014,
			NO:1860, and where b is greater	T11417, D81030, AW352117, D80188, D80269,
			than or equal to a + 14.	D80024, D80212, D80366, D80196, D59653, D80219,
				DS7483, D59927, D80248, AA514186, D51103,
				C15076, D80064, D59889, D80193, C14429, T03269,
				AI557751, AW352120, D80045, D80133, D80378,
				D51759, D80302, AW178762, C14407, D80157,

	AW360811 AW377671 AW178893 AW177734 D80251
	AW378540, D52291, AW178759, D59373, C75259,
	AW378533, AW375405, AW360844, C14077, D59627,
	T02974, C06015, C14298, AW178906, H67866,
	AW179019, D51213, AW179328, C05695, AW366296,
	AW378539, AW360817, AW179020, T48593, AW378532,
	AI525923, AW375406, AA809122, AW378534,
-	AW352171, AW179332, AW377672, AW179023,
	AW178905, AW177731, AW378528, AW178754,
	AW179024, AW377676, D45260, AW177505, AW178775,
	C03092, AW360841, AW352170, AW352158, D51250,
	AW178909, AW177456, AW179004, AW178907,
-	AW178908, H67854, AW179018, AW178971, AW360834,
	C05763, C14344, AW367950, AW179009, D60010,
	AW179012, AW178980, AW178914, AW178774,
	AW178781, AW177733, AW378543, D80258, H67858,
	D59474, D58246, C14973, C14957, AI525917,
	AI525227, D59317, D58101, D59503, D51221,
	AW178911, AW378525, C14046, AW352163, AI557774,
	AI525920, AA514184, AW177728, AI535686,
-	AW179013, D60214, AI525235, D59551, C16955,
	T03048, AI525925, AI525215, Z33452, AI525912,
	D45273, AI525242, Z30160, AW378542, C13958,
	AI525237, AI905856, AI525222, T02868, AW360855,
	D80654, D52317, D31458, AB002804, D86959,
	D88425, AJ132110, AF058696, A62300, AB028859,
	AR008278, A84916, A62298, AR018138, A82595,
	AR060385, AB002449, I50126, I50132, I50128,
	IS0133, X68127, AR060138, AR016514, X67155,
	Y17188, D26022, A25909, A45456, A26615,
	AR052274, A94995, AR054175, Y12724, AR066488,
	A67220, D89785, A78862, D34614, Y09669, A43192,
	A43190, AR038669, AR008443, AR066487, A30438,
	I14842, Y17187, D88547, AR008277, AR008281,
-	A70867, D50010, A63261, X82626, AR062872,
	AR016808, AR008408, AR025207, AR016691,

				AR016690, U46128, A64136, A68321, AR060133,
				I79511, D13509, AF123263
1981	H2LAW79	877288	_	AA315705, AA329923, D80268, AA305578, D59502,
			present invention are one or more	D80164, D50979, C06015, C14389, D80038, F13647,
			polynucleotides comprising a	D59275, D80195, AW178759, D80188, D59467,
			nucleotide sequence described by	D80227, AW178986, AA514188, D58283, D51799,
			the general formula of a-b, where a	AA305409, D51022, D59859, D80043, D80022,
			is any integer between 1 to 829 of	C14331, D80166, D50995, D51423, D59619, D80210,
			SEQ ID NO:1861, b is an integer of	D80391, D80240, D80253, D59787, C15076, D80269,
			15 to 843, where both a and b	D81030, D80378, D80212, D80193, D80196, D80219,
			correspond to the positions of	AA514186, D81111, AW378533, D59927, T03116,
			nucleotide residues shown in SEQ ID	D80045, D81026, D59610, D57483, C14227, D80439,
			NO:1861, and where b is greater	D80522, D59889, T03269, D80024, D80247,
			than or equal to a + 14.	AW177440, D51103, D80248, D80241, D80366,
				D80302, C14014, Z21582, D59695, AW178893,
				D80133, AW178906, D52291, D80064, D80157,
				AW377671, AA285331, AW352117, D80251, C14407,
				AW360811, D80168, D80014, AW375405, AW179332,
				C14298, AW179328, D59503, AW178754, AW179019,
				AW378532, AI525923, AA809122, AW366296,
				AW360817, D59317, AW352120, AW179020, D45260,
	_			AW375406, AW377676, AW378534, AW352171, T48593,
				AW377672, AW179023, AW178905, AW17731, DS1250,
				AW178762, AW179024, AW178971, C03092, AW378528,
				H67854, H67866, Tl1417, D59627, AW177456,
		_		AW179012, AW178907, AW178908, AW179018, D80258,
				AW378540, AA514184, AW360834, T02974, C14344,
				AI525917, AI557774, D58246, D59551, AW179013,
				D51221, C14973, AI535686, AW367950, AW178914,
				AW178774, AI525227, AW378543, D59474, AI525920,
				AW378539, D31458, H67858, AI525925, D51213,
				D58101, Z30160, AW378525, AW352163, AW178781,
				D45273, AI525242, AI525235, AI557751, T02868,
	_			C16955, C14077, AI525912, Z33452, AI525903,
				AW378542, AI525215, C13958, AA305720, AI525237,
				T03048, Z86064, AL049679, AJ132110, A84916,

				AB028859, A62300, A62298, AR018138, AR060385, IS0132, A82595, AR008278, AF0S8696, AB002449,
				Y09669, I50126, I82448, I50128, I50133, X67155, X17188, D26022, A25909, A67220, D89785, A78862,
				D34614, AR016514, Y12724, A94995, AR060138, A45456, A26615, AR052274, I14842, A43192,
				A43190, AR038669, AR066488, AR066487, AR054175, A30438, AR008443, X68127, D88547, V17187.
				A63261, X82626, AR008277, AR008281, D50010,
•				AR025207, AR062872, A70867, AR016808, AR016691,
				AKU16590, 179511, U46128, AKU08408, A64136, A68321, AR060382, D13509, AR060133
7981	HCE2C40	877289	Preferably excluded from the	AC005368, AF059650
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 250 of	
			SEQ ID NO:1862, b is an integer of	
		_	15 to 264, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1862, and where b is greater	
_			than or equal to a + 14.	
1863	HMCDH54	877290	Preferably excluded from the	AL133778, AW408536, AA397575, AA399688,
			present invention are one or more	AA725429, AA324765, AA321795, AW243558, R86033,
			polynucleotides comprising a	AW271180, H65207, AL134927, AB032995, AB018253
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 1868 of	
			SEQ ID NO:1863, b is an integer of	
			15 to 1882, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1863, and where b is greater	
			than or equal to a + 14.	

1024	DADGGERA	907770	Droforshiv evoluded from the	00303CMV	SCACAOTA ALCOCAMA OCOCACA	SCACAOTA	90939644	
5	501111	003110	בובובומחז בירותפת דומיו רווב	,02000210	*************	102525014	, and and a	
			present invention are one or more	AI093993,	AI093993, AW316896, AI339306, AA736991,	AI339306,	AA736991,	_
			polynucleotides comprising a	AI271364,	AI271364, AI539564, AA287969, AI689236,	AA287969,	AI689236,	
			nucleotide sequence described by	AI240770,	AI240770, AA035024, AA035512, AA804433,	AA035512,	AA804433,	
			the general formula of a-b, where a	AW001846,	AW001846, AI191237, AI161031, AI015252,	AI161031,	AI015252,	-
			is any integer between 1 to 1912 of	AW192454,	AW192454, AI817128, AI867530, AA557231,	AI867530,	AA557231,	
			SEQ ID NO:1864, b is an integer of	AI452866,	AI452866, AA804383, AL043242, AA627583,	AL043242,	AA627583,	_
			15 to 1926, where both a and b	AA809613,	T27814, M	30818, M338	AA809613, T27814, M30818, M33883, AC004497	
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1864, and where b is greater					
			than or equal to a + 14.					
1865	H2CBQ45	877298	Preferably excluded from the	AW263526,	AA457032,	AW136358, AA828242,	AA828242,	
			present invention are one or more	AA313271, AL078644	AL078644			
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 544 of					
			SEQ ID NO:1865, b is an integer of					
			15 to 558, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1865, and where b is greater					
_			than or equal to a + 14.					
9981	HCQAD77	877299	Preferably excluded from the					
			present invention are one or more					
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 335 of					
	_		SEQ ID NO:1866, b is an integer of					
			15 to 349, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
_			NO:1866, and where b is greater					
			than or equal to a + 14.					

1867	HKLSB60	877301	Preferably excluded from the	AA225376 AA226684 T94384 R73816 P73841
			present invention are one or more	AA002207, AA225124, AA225347
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 522 of	
			SEQ ID NO:1867, b is an integer of	
			15 to 536, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1867, and where b is greater	
			than or equal to a + 14.	
1868	HLHTC92	877310	Preferably excluded from the	R66025, R76969, AW043721, AA553904, AI417134,
			present invention are one or more	R58054, U77970, AR059959, U51625, U77969,
			polynucleotides comprising a	AR059960
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 839 of	
			SEQ ID NO:1868, b is an integer of	
			15 to 853, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1868, and where b is greater	
			than or equal to a + 14.	
1869	HWLXP93	877319	Preferably excluded from the	AL119992, AI968101, AI806911, AI656159,
			present invention are one or more	AI299706, AI918763, AW021370, W49735, AA805636,
			polynucleotides comprising a	AA906238, AA884471, W49632, T77508, AW190697,
			nucleotide sequence described by	AW020878, AA812095, AA805395, AI767210, H08971,
			the general formula of a-b, where a	AA909382, AA325979, AA805574, AI911384,
			is any integer between 1 to 1232 of	AI520787, AC007239, U79290
			SEQ ID NO:1869, b is an integer of	
			15 to 1246, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1869, and where b is greater	
			than or equal to a + 14.	

AA299388	AC005037	
Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 119 of SEQ ID NO:1870, b is an integer of 15 to 133, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1870, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 408 of 5EQ ID NO:1871, b is an integer of 15 to 422, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1871, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynuclectides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 615 of SEQ ID NO:1872, b is an integer of 15 to 629, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:1872, and where b is greater than or equal to a + 14.
877320	877321	877324
никвсss	неугнео	ннегс89
1870	1871	1872

1873	HCEOF08	877326	Preferably excluded from the	N20930, AL135016, AL134824, AA702162, C03031.
				AW172587, AI139490, AW057590, AI809330,
			polynucleotides comprising a	AI521171, N27797, AI953095, AI307324, AA705112,
			nucleotide sequence described by	AA969165, AA284734, AA325231, AI219990,
			the general formula of a-b, where a	AA287154, C03026, AI122656, AA772255, AA782094,
			is any integer between 1 to 1393 of	AW073074, AI685711, AW192900, AI659385,
			SEQ ID NO:1873, b is an integer of	AA044259, AW451578, AI001129, R28506, R28654,
			15 to 1407, where both a and b	AW296185, AA044143, AF034374, AJ224328
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1873, and where b is greater	
			than or equal to a + 14.	
1874	HLHBZ17	877327	Preferably excluded from the	C15947, H86703, AA359866, D61503
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 693 of	
			SEQ ID NO:1874, b is an integer of	
			15 to 707, where both a and b	
			correspond to the positions of	
_			nucleotide residues shown in SEQ ID	
			NO:1874, and where b is greater	
			than or equal to a + 14.	
1875	HWLRP86	877329	Preferably excluded from the	AI093660, AW327590, AA706690, AW296986,
			present invention are one or more	AA156871, AA243570, AA394118, AA402938,
			polynucleotides comprising a	AI870692, AI635237, AI139325, AI286284,
			nucleotide sequence described by	AW298025, AI830613, AA736608, AW008771,
			the general formula of a-b, where a	AW004643, AI277887, AI040732, AA628965, W93926,
	_	-	is any integer between 1 to 251 of	AI352001, AA954225, AI278572, N33931, AI128499,
			SEQ ID NO:1875, b is an integer of	W46369, AI159880, AI362660, AI350268, AA622742,
			15 to 265, where both a and b	AA887292, AI276858, AA250840, AA437277,
			correspond to the positions of	AA039774, AI242916, AI187707, AA804951,
			nucleotide residues shown in SEQ ID	AI277891, N63418, AA557131, AA662472, AI251864,
			NO:1875, and where b is greater	AI097294, AA991440, H99028, AI572652, AI610660,
			than or equal to a + 14.	AA055193, AI378407, AA719806, AI423797,

				AA729670. AA	AA729670, AA446337, AI311820, W81234, AI300798.
				AA156771, AA	AA156771, AA447436, AI189310, AA664607,
				AI091132, AI	AI091132, AI589143, AA918355, AA929050,
				AI095636, AA	AI095636, AA563972, N39264, N62211, AA936816,
				AA932784, AI	AA932784, AI868453, AW088157, AA970862, R77959,
			•	AI205800, N3.	AI205800, N32013, AI582264, AI376345, AI224485,
_				AI274254, AI	AI274254, AI334251, AI401393, AI079459,
				AI091021, AI	AI091021, AI277813, C14412, AI626008, AI279571,
				R26078, D802	R26078, D80204, AA621068, AI400442, R80543,
				AI479083, AA	AI479083, AA641535, AI378637, W81271, W81215,
				R62807, H005	R62807, H00547, C14369, AI784466, AI160567,
				AI160569, Cl.	AI160569, C14400, AI926459, C14352, AA442355,
				C14220, C143	C14220, C14335, AA687810, C14509, AA907451,
				AW025906, AA	AW025906, AA459765, AL040127, AF125099,
				AR029580, AF	AR029580, AF194030, AL133075, S77771, AF114784,
				AL137429, AL	AL137429, AL117443, AF207750, AL133645, U67958,
				S78453, AL13	S78453, AL137554, Z30970
1876	HISEQ81	877331	Preferably excluded from the	AA251070, AA	AA251070, AA663366, AL035663, AC008085, U85196,
			present invention are one or more	AE000660, AC	AE000660, AC004707, AC006023, AF045450,
			polynucleotides comprising a	AL133247, AC	AL133247, AC004897, AL031390, AF135487, Z83850,
			nucleotide sequence described by	AF121782, AL	
			the general formula of a-b, where a	AC007043, AB026898,	026898, AP000500, AP000027,
			is any integer between 1 to 499 of	AC000064, AC	
			SEQ ID NO:1876, b is an integer of	AC004381, AL	AL022069, A60169, AC023172, AL008629,
			15 to 513, where both a and b	AF072497, AC	AF072497, AC009946, A60201, AC004020, AF072499,
			correspond to the positions of	AF064860, AF	AF064860, AF072501, A60173, A60168, AB024464,
			nucleotide residues shown in SEQ ID	AB024472, AB	AB024472, AB024457, AB024458, AB024460,
			NO:1876, and where b is greater	AB024479, AB	AB024479, AB024484, AB024488, AB024459,
			than or equal to a + 14.	AB024469, AB	AB024469, AB024471, AB024478, AB024481,
				AB024462, AB	AB024462, AB024467, AB024463, AB024470,
				AB024473, AB024475,	024475, AB024474, AB024482,
				AB024476, AB024465	024465
1877	HWLWA0	877332	Preferably excluded from the	AA779795, AI	AA779795, AI808514, AA632293, AW263707,
	7		present invention are one or more	AI264254, AI	AI264254, AI573067, AI268002, AA983452,
			polynucleotides comprising a	AI863711, AI	AI863711, AI434573, R38583, N66320, AA297783,
			nucleotide seguence described by	AA889997, AW	AA889997, AW020741, AW084236, AI961833,

			the general formila of a.h. where a	MUADORAA	MANAGES ATOIAIN D27028 ATOMOTA AMONGORS	D27720	A1202244	AW050862
			is any integer between 1 to 636 of	AI656365,	AI656365, AA318265, Z39970, AI767672, AA757332,	Z39970,	AI767672,	AA757332,
			SEQ ID NO:1877, b is an integer of	AI557697,	AI557697, AI547137,	T69960,	T69960, AIS41216,	AI535787,
			15 to 650, where both a and b	AI547038,	AI547038, AI557382,	AI541533		
			correspond to the positions of	AL008582,	AL035659, U44059, U06935, Y11149,	U44059,	U06935, Y1	11149,
			nucleotide residues shown in SEQ ID	AJ132931				
_			NO:1877, and where b is greater					
			than or equal to a + 14.		İ	:		
1878	H2CBS31	877333	Preferably excluded from the	AI248204,	AI248204, AA677184, AI380963, AA284845,	AI380963	1, AA28484	5,
			present invention are one or more	AW081587,	T18597, AI525556, AI557084, C14322,	1525556,	AI557084,	C14322,
			polynucleotides comprising a	AIS41205,	AIS41205, AIS25500, AIS57533, H65400, AW023216,	AIS57533	3, H65400,	AW023216,
			nucleotide sequence described by	AI557082,	AI557082, AA308485, AI541321, AI557731,	AI541321	1, AISS773	1,
			the general formula of a-b, where a	AI557238,	AIS57238, AIS57263, AIS57602, T69960, AIS41034,	AI557602	, T69960,	AI541034,
			is any integer between 1 to 707 of	AI557258,	AI557258, T61541, AI557697, AI535813, AI525856,	1557697,	AI535813,	AI525856,
			SEQ ID NO:1878, b is an integer of	AI557543,	AI557543, AI541027, AI535994, Z66121, AR050070,	AI535994	1, 266121,	AR050070,
			15 to 721, where both a and b	A62298				
			correspond to the positions of					
			nucleotide residues shown in SEO ID					
			NO:1878, and where b is greater					
			than or equal to a + 14.					
1879	H2CBN88	877334	Preferably excluded from the	AA054379,	AA054379, AA307842, AA018519, AIS81828, A59459,	AA018515	9, AIS8182	8, A59459,
			present invention are one or more	A59517, A	A59517, AF048695, U52377, A59470, U53138,	52377, AE	59470, US3	138,
			polynucleotides comprising a	A59468, U	A59468, U52375, A59469, U52376, A59466	469, US23	376, A5946	9
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 550 of					
			SEQ ID NO:1879, b is an integer of					
			15 to 564, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1879, and where b is greater					
			than or equal to a + 14.					
1880	HWLOK01	877336	Preferably excluded from the	AI287235,	AI287235, AA587620, AA729307, AI821703,	AA72930	7, AI82170	3,
			present invention are one or more	AI698647,	AI698647, AI688112, AI767799, AA887822,	AI76779	9, AA88782.	2,
			polynucleotides comprising a	AA973956,	AA973956, AI693558, N78520, AI824444, AI609594,	N78520,	AI824444,	AI609594,
			nucleotide sequence described by	AI682837,	AI682837, AI690813, AI584118, AI824357	AI584118	8, AI82435	7,

		the general formula of a-b, where a	AI224373, AI886355, AI537516, AW167777,
-		is any integer between 1 to 263 of	AI911020 AI567802 AW151451 AI954293
	_	SEQ ID NO:1880, b is an integer of	AW194014, AI888095, AI439903, AW079859,
		15 to 277, where both a and b	AI885905, AI635528, AI049669, AI689096,
		correspond to the positions of	AI636309, AW131165, AW090681, AW084440,
		nucleotide residues shown in SEQ ID	AI538008, AI784230, AI491710, AI925164,
		NO:1880, and where b is greater	AI220828, AI432532, AI696714, AI472566,
		than or equal to a + 14.	AI874238, AA761557, AI251221, AI620643,
			AI886940, AI285439, F34241, AI553926, AI628325,
			AI559863, AI954095, AA743430, AI804505,
			AI357902, R39624, AI918554, AW079572, AW084896,
			AI580694, U82987, AC005218, I09499, AF109683,
			AL096728, AJ001388, X52220, U57715, AF188712,
			X95310, US1123, AF081571, X66975, X57084,
			U79523, X66862, AF090923, AB031064, X68560,
	_		AF078844, AF114818, I22272, AL137663, E02253,
			X60786, AF002672, M92439, X99226, X98066,
			AL133067, AJ132433, AF153205, AF167995,
			AR064250, AF119337, AL133069, AF114170,
			AF200464, AF090886, X63574, Y08769, AR012379,
			AF141976, X06146, AF077051, AF003737, L40386,
			A65341, AL080146, J05032, AL050108, AJ012755,
			AF038847
1881 H2CBR23	R23 877338	Preferably excluded from the	AW340662, AW316660, AI970681, AA889159,
		present invention are one or more	AI458059, AI590367, AI679607, AI797703,
		polynucleotides comprising a	
		nucleotide sequence described by	AI216290, AA515788, AA526334, AI677745,
		the general formula of a-b, where a	AA134355, AI674509, AA143532, AA313282,
		is any integer between 1 to 2508 of	AA927236, AA315699, AI620159, AA922890,
		SEQ ID NO:1881, b is an integer of	AW062635, AW374778, AA100752, AW374734,
	-	15 to 2522, where both a and b	AW368107, AI214469, AAI34354, AW368106,
		correspond to the positions of	AA385843, AI919003, AW379835, AW389815,
		nucleotide residues shown in SEQ ID	AW206252, AA213695, AA305544, AW418789,
		NO:1881, and where b is greater	AW368007, AW368008, AW374786, AA313396,
		than or equal to a + 14.	AI940533, AI940454, AW062630, AI920939, R25623,
			AW176592, AA376950, AW389787, T48510, AW178927,

				AA314737 AW262708 AA626931 AW390922
				AA074381, AI219498, AW390912, R27011, AW390971,
				AW391129, AW379257, AW391053, AA746736,
				AW390981, AW276892, AW391030, T24527, AI815057,
				AW057823, W52053, AA524509, AW374790, W60597,
				AF132818, D14520, AF079852, D82785
1882	HCYBK82	68848	Preferably excluded from the	AA305544, AI970681, AI590367, AI797703,
			present invention are one or more	AA425084, AW316660, AI458059, AI739401,
			polynucleotides comprising a	AI679607, AA889159, AW340662, AA922890,
			nucleotide sequence described by	AI677745, AI216290, AA515788, AI674509,
			the general formula of a-b, where a	AA134355, AW338264, AI620159, AA100752,
			is any integer between 1 to 441 of	AA927236, AW206252, AI273521, AI919003,
			SEQ ID NO:1882, b is an integer of	AA626931, D59859, D80227, D80269, D80195,
			15 to 455, where both a and b	D59275, AI214469, D59502, D80391, D59787,
			correspond to the positions of	D58283, D80038, D80022, D80166, D51799, D81030,
			nucleotide residues shown in SEQ ID	D59610, D80196, D59467, D51423, D59619,
			NO:1882, and where b is greater	AA524509, D80378, D80210, D80240, D80253,
	-		than or equal to a + 14.	D80043, D80164, D80212, D50979, D80193, D80188,
				C14331, D80219, D59927, D57483, D50995, D80366,
				D59889, C14389, D80241, C15076, D80024,
				AA305409, D80045, C14429, D81026, T03269,
				C75259, D51060, AW178893, C14014, AW178775,
				D80134, D51022, AW179328, D80949, AA514188,
				AA305578, D80268, F13647, D51250, AW177440,
				AW378532, AW418789, AW369651, D80522, D58253,
				C14227, D80168, AW352158, D80251, D81111,
				AAS14186, D80248, AW178762, AW177501, AW177511,
				C14298, AI910186, Z21582, AI905856, D80064,
				D80133, AW352117, AW360811, C14407, AW377671,
				C05695, AW176467, AW375405, AW360844, AW378540,
				D80132, AA285331, AW366296, AW360817, AW375406,
				AW178905, AW378534, AW352171, AW179332, DS1097,
		-		AW377672, AW179023, D80439, D80302, AW377676,
				T03116, AW360834, AW352172, AW352174, AW177505,
				AW360841, AW178909, AW178907, AW178906,
	i			AW352170, AW177731, AW178754, AW179019,

				AW179018, AW179024, D59373, D80247, AW179220,
				AW179020, AI557751, AW177456, AW179329,
				AW178980, AW177733, AW378528, AW178908,
				AW178971, T11417, D51103, AW179017, AW179004,
				AW179009, AW179012, AW178914, D80014, AW367967,
				AW378543, AW378525, D58246, AW276892, AW177728,
				D80157, AW177722, AW178911, D51759, AW178774,
				AW352163, D59503, C06015, AW178983, AW352120,
				D80258, AW178781, D58101, D59627, T48593,
				AW378539, C14975, AW177723, D45273, D59653,
				AI525923, AI557774, AI535850, C14973, T02974,
				D45260, AW378533, H67866, AW367950, D51213,
				AW177508, AA809122, H67854, C03092, D80228,
				AW177497, AW177734, AW178986, D59317, AI525227,
		_		D60214, T03048, AI525917, AI535686, C14344,
				D14520, AF132818, A84916, AJ132110, A62300,
_				A62298, AR018138, X67155, Y17188, D26022,
				A25909, A67220, D89785, A78862, D34614, D88547,
				AF058696, X82626, AR008278, AB028859, AR025207,
				Y12724, AB012117, A82595, X68127, A85396,
				AR066482, A44171, A94995, AR060385, AB002449,
				A85477, I19525, U87250, A86792, X93549,
				AR008443, I50126, I50132, I50128, I50133,
				AR066488, AR016514, AR060138, A45456, A26615,
				AR052274, AR066490, Y09669, A43192, A43190,
				AR038669, AR066487, I18367, I14842, A30438,
				AF135125, D88507, AR054175, D50010, Y17187,
				A63261, AR008277, AR008281, AR008408, AR062872,
				A70867, AR016691, AR016690, U46128, AB033111,
				D13509, I79511, A64136, A68321, AR060133,
				AR064240, AB023656, U87247, U79457, AF123263,
				AR032065, X93535, AR008382
1883 HC	HCRMK82	877340	Preferably excluded from the	AW262592, AW367357, AI953876, AW265047,
			present invention are one or more	AI290247, AI261967, AA826909, AI336616, R46813,
			polynucleotides comprising a	AA055350, R39815, N73560, H16260, AW365173,
_		_	nucleotide sequence described by	AC006251, X68487, M97759, AR044912, I20962

				The state of the s
			the general formula of a-b, where a is any integer between 1 to 844 of	
			SEQ ID NO:1883, D 18 an integer of	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1883, and where b is greater	
			than or equal to a + 14.	
1884	HDTB006	877344	Preferably excluded from the	AI627846, AI686196, AI766030, AA159730,
		_	present invention are one or more	AA159731, AI478216, AI745281, AA683246,
		_	polynucleotides comprising a	AA252582, AW085579, AA936240, AA464699,
	•	_	nucleotide sequence described by	AA732427, F11142, N62186, AA825887, N90846,
			the general formula of a-b, where a	N77132, AA376347, F08813, H50638, AL121257,
			is any integer between 1 to 1405 of	AL021937
			SEQ ID NO:1884, b is an integer of	
			15 to 1419, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1884, and where b is greater	
			than or equal to a + 14.	
1885	HEGAM94	877346	Preferably excluded from the	AI935271, AI762915, AI809275, AA398950,
			present invention are one or more	AI127111, AI813351, AA749298, AA705921,
			polynucleotides comprising a	AI343768, AA776967, AA766587, AW070583,
_			nucleotide sequence described by	AI052069, AA291984, AA715043, AA460658,
			the general formula of a-b, where a	AA804876, N44967, AA394137, AW071467, N93279,
_			is any integer between 1 to 1999 of	AI343843, AA393817, AI452856, AA292934, R90963,
			SEQ ID NO:1885, b is an integer of	W72279, AA661873, AA526081, AI819873, AA226137,
			15 to 2013, where both a and b	AA262543, R72676, T17354, AA514931, R73310,
			correspond to the positions of	R90959, W25119, R64455, AI783605, W76306,
			nucleotide residues shown in SEQ ID	AI624523, AA490863, AA261906, AI864544,
			NO:1885, and where b is greater	AW068181, AA860972, R72980, H83354, AA359560,
			than or equal to a + 14.	AI632879, AA291985, AA255873, AA325261,
				AI057127, R48640, R18641, AA461005, AA261923,
				R18640, H83702, Z38970, N36710, AL134185,
				H90736, H59529, H90786, AI784395, AA652150,
	_			AA652026, H60402, Z42828, AA226136, AA776284,

	AA491047, AA393770, AA909279, D20449, AI696435,
	OCCUPATA OCITO STA STORE ALTOCATA COSTA
-	AIB62134, AI273856, AL036705, AI394130, AI17,3200,
	AI673140, AA715307, AA809974, AI369807,
	AL135047, A1440260, AW083572, A1554344,
	AA580663, AI683972, AI440238, AWI51974,
	A1923989, A1440263, A1683568, AL138376,
	AI554821, AW020561, AA641818, AA761557,
	AW366372, AI653402, AA115869, AA748353,
	AW055075, AI432644, AI538298, AI089748,
	AIS87000, AIS90043, AL134830, AI682640,
	AI954080, AI691131, AI572396, AW087262,
	AW162194,
	AI539690,
	AI625293,
	AI678857, AI445505, AI370965, AA282824,
-	AI866457, AI872423, AL135012, AI591093,
	AI219380, AI250282, AI889728, AI567582,
,	AI468959, AW151132, AI498716, AI538805,
	AI419826, AI921155, AI685798, AW075382,
	AI149977, AW195253, AL119748, AI915795,
	AW243886, AW130129, AI925736, AW168012,
	AI798114, AL121270, AA609644, AI440236,
	AW268122, AI680221, AI064830, AI473471,
	AI623389, AI283322, Y11254, AR050959, AC002464,
	X06146, AL137557, AJ238617, AF150103, D44497,
	AL031732, A15345, AL133084, Y18678, A93914,
	AF126247, AF100752, AL133608, AL110171,
	AL117460, M85165, I03321, U49434, AL137539,
	AL133113, U92992, AC002287, AF017437, I33391,
	AL133637, AF069506, AL122101, AL133080,
	AL133053, AL122049, U70981, AF115392, X82434,
	AF043642, AL137479, AF051325, I46765, S63521,
	AF004162, AF161413, AJ238093, AL122110,

				AF113699, AL137558, AL078630, U42766, AL133049, AL080074, AR066486, E12580, AL050149, U51123, AP145568 HISSON VIOSE AL137526
				AFF59148, AF039202, AL049276, X63410, AB026995, IS2013, US5017, X67688, U68387, AL133015,
1886	HDTAH72	877347	Preferably excluded from the	AI268315, AI344319, AA531249, AI952869
3			present invention are one or more	AI492586, AA588629, AW044245, AI246254, M78525,
			polynucleotides comprising a	AA621945, H97851, AW082375, R34105, AA376468,
			nucleotide sequence described by	AA376668, AA376330, AA224458, R34106, AA166983,
			the general formula of a-b, where a	D58161, A1919577, C21057
			is any integer between 1 to 1879 of	
			SEQ ID NO:1886, b is an integer of	
			15 to 1893, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1886, and where b is greater	
			than or equal to a + 14.	
1887	HARAG42	877351	Preferably excluded from the	AA534438, AA296922, AI732343, AA502919,
			present invention are one or more	AI732203, E13091, AR028526, AF048700, E13090
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 419 of	
			SEQ ID NO:1887, b is an integer of	
			15 to 433, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1887, and where b is greater	
			than or equal to a + 14.	
1888	HCQDL20	877355	Preferably excluded from the	R10554, AA873089, AW007836, AA376913, AA702706,
			present invention are one or more	AI861809, AI052145, N74374, AI739300, AW055276,
			polynucleotides comprising a	T40120, AA343939, T40984, J04813, AF209389,
			nucleotide sequence described by	S53047, M14096, M18907, X12387, J04449,
			the general formula of a-b, where a	AF182273, D31921, M13785, X90579, L26985
			is any integer between 1 to 399 of	

			SEQ ID NO:1888, b is an integer of					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1888, and where b is greater					
			than or equal to a + 14.					
1889	HLQGF34	877356	Preferably excluded from the	AW007836,	AW007836, AA873089, AI052145, AA702706,	AI052145,	AA702706,	
			present invention are one or more	AI739300,	N74374, AW	055276, T4	AI739300, N74374, AW055276, T40984, R10554,	54,
			polynucleotides comprising a	T98255, N7	4426, AA37	6913, AA41	T98255, N74426, AA376913, AA416822, T40120,	20,
			nucleotide sequence described by	AI861809,	AI678780,	AA343939,	AI861809, AI678780, AA343939, T98311, AA878869,	878869,
			the general formula of a-b, where a	AI761228,	X90579, L2	6985, AF20	AI761228, X90579, L26985, AF209389, J04813,	13,
			is any integer between 1 to 769 of	S53047, XI	12387, M140	96, M18907	S53047, X12387, M14096, M18907, J04449, D31921,	D31921,
			SEQ ID NO:1889, b is an integer of	AF182273, M13785	M13785			
			15 to 783, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1889, and where b is greater					
			than or equal to a + 14.					
1890	HCDCF78	877358	Preferably excluded from the	AI703276,	AI703276, AW188039, AA451771,	AA451771,	AA316434,	
			present invention are one or more	AI690259,	AI690259, AI681353, AA045904,	AA045904,	T29610, AI627945,	627945,
			polynucleotides comprising a	AW188125,	AW188125, AW188144, AA099043,	AA099043,	AW237788,	
			nucleotide sequence described by	AI470110,	AI470110, AW170058, AI654577,	AI654577,	N21480, AI678192,	678192,
			the general formula of a-b, where a	AI745496,	AI745496, AW292165, AA449964, AI167571	AA449964,	AI167571,	
			is any integer between 1 to 385 of	AI186510,	AI186510, AI392894, AI459190, AW196865,	AI459190,	AW196865,	
			SEQ ID NO:1890, b is an integer of	AI761196,	AI761196, AI199686, AA767664, AW373992	AA767664,	AW373992,	
			15 to 399, where both a and b	AI129612,	AI129612, AI272655, AI272824, AW051688	AI272824,	AW051688,	
			correspond to the positions of	AI765956,	AI765956, AI220043, AA099044, AI681033	AA099044,	AI681033,	
			nucleotide residues shown in SEQ ID	AI628056,	D17400, MS	7655, D25	AI628056, D17400, M97655, D25234, L76259,	_
			NO:1890, and where b is greater	M77850, U	M77850, U63380, U63381, U63382, U63383	181, U6338;	2, U63383	
			than or equal to a + 14.					
1891	HMIBE59	198778	Preferably excluded from the	AL043108,	AL043108, AI912625, AI268389, AA541465,	AI268389,	AA541465,	
			present invention are one or more	AA626702,	AA626702, AI814451, AA703936, AW137200,	AA703936,	AW137200,	
_			polynucleotides comprising a	AI769406,	AI814300,	AA843784,	AI769406, AI814300, AA843784, AI677825, N90942,	N90942,
			nucleotide sequence described by	AL133947,	AI122639,	AI583230,	AL133947, AI122639, AI583230, AI956122,	W58349,
			the general formula of a-b, where a	AA043151,	AA043151, AI911861, AI146802, AA433844,	AI146802,	AA433844,	
			is any integer between 1 to 3021 of	AA829527,	AA829527, AI829684, AA393149, AI248810,	AA393149,	AI248810,	

	SEQ ID NO:1891, b is an integer or	AW148927, A1693209, AA313329, A1634356,
•	15 to 3035, where both a and b	AAL65311, AWU15279, AA435562, W48807, AA770568,
	correspond to the positions of	N33995, AW337556, AI200909, W52177, AI925678,
	nucleotide residues shown in SEQ ID	C75536, AA740996, AI056139, AA639344, AA062558,
	NO:1891, and where b is greater	AA044616, AI270757, N51453, AI088578, W49807,
	than or equal to a + 14.	AI302975, AA975134, AA176436, W58474, AI288721,
	•	AI090980, N36852, AW440100, AA708923, AW403227,
		AA746255, AA846487, AI075216, N56895, AA644436,
_		W60313, W52178, W60262, N34473, R80598, N35139,
		AA063056, C75383, AW080740, N46123, AA468100,
		AA888852, AI339843, R80597, AA178883, N36227,
		R23907, AW272245, AI185045, AW204631, AI244465,
		AI347721, AA305934, AA158097, AW027841, R23998,
		N36871, AA262561, AA626808, AA040760, AI597694,
_		H13872, R78677, AI127632, AA158096, R24938,
		N46141, AA165180, H94816, AA165152, T28111,
		H89174, T20158, AA857506, AA169476, AI523244,
		H97960, AA366030, AA885512, N32999, AA042803,
		AI291968, AW271335, AI928012, AI582354,
		AA905984, AI374631, AI391678, AA654121,
		A1470822, A1659820, A1435866, AA478972,
		AI672499, AA782245, AI683540, AI242454,
	-	AI963948, H83799, AA098811, AI970953, AA098979,
		W47019, N24550, AI656583, AA098926, AI811590,
		AI346328, AI702054, AA771762, AI926667,
		AIS65050, AI669676, AW300195, AI078689,
		AI910690, AA991913, D20104, AA610706, AA329386,
		AW023680, H80964, AI824554, T70014, R23906,
		AI432060, F00987, AA677620, AA450363, H00588,
		AW179301, R45201, R82731, AI912968, AA100143,
		AI681692, AI015103, R78922, N89579, D31543,
		R23127, T39145, AA069266, R23125, H83940,
		AW404323, AA730321, AA091296, R23124, AA069494,
		AA808762, AI674511, T69942, AA319786, AI370594,
		AA370257, R23126, Z28753, T29433, T10467,
_		AI420216, AI365551, AIS97664, AI972622,

				A243213, T35681, C	AA243213, T35681, C04078, C75653, T11331,
				740433, AA169471, AJ	T40433, AA169471, AA973669, W46200, AA836447,
				423989, T18555, T11	W23989, T18555, T11401, T39150, AA094342,
				AIB24772, W17101, N	AIB24772, W17101, N91885, AA453560, T11352,
				F10404, N47782, AAO	T10404, N47782, AA091310, C00888, AA165310,
				[27528, AA248615, A	T27528, AA248615, AI420657, R79019, T25720,
				A809895, R31791, D	AA809895, R31791, D45259, R63697, AA089814,
				A863104, AI095737,	AA863104, AI095737, T11400, AA523550, AA913502,
				AI218901, AI827982,	AI218901, AI827982, A93912, M31470, A93910,
				049727, D50264, D49	D49727, D50264, D49726, D49725, AC003957,
				AL035361, R62747, A	AL035361, R62747, AA853568, AA916254, AA969277
1892	HMKAK86	877363	Preferably excluded from the	AA190594, T40630, A	AA190594, T40630, AI920974, AI055924, AW081296,
			present invention are one or more	AW103255, AA037707,	AW103255, AA037707, AI269490, AA181191, R22340,
			polynucleotides comprising a	AA053866, AI923333,	AI923333, AA516448, AA344620,
			nucleotide sequence described by	AA347824, H05424, H	H05424, H02246, R22341, T40694,
			the general formula of a-b, where a	AA344748, AW449318,	AW449318, AA737586, AI950008,
			is any integer between 1 to 362 of	AA037725, AA345669,	AA345669, AA302793, AA302797,
			SEQ ID NO:1892, b is an integer of	AI355125, T39494, A	T39494, AW150691, AA902521, AI278972,
			15 to 376, where both a and b	AI270407, AB033054	
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1892, and where b is greater		
			than or equal to a + 14.		
1893	H6EDF71	877370	Preferably excluded from the	AW190446, AI961479,	AI961479, AI923277, AI884400,
			present invention are one or more	AW129387, AI432621,	AW129387, AI432621, AI701980, AI613026,
			polynucleotides comprising a	AA418709, AI635480,	AA418709, AI635480, W93648, AI491762, AI270167,
			nucleotide sequence described by	AI280720, AA918056,	AI280720, AA918056, AA938271, AA418701,
			the general formula of a-b, where a	AI338213, AI707674,	AI338213, AI707674, AI476785, AA478755,
			is any integer between 1 to 1290 of	AI082024, AA455447,	AI082024, AA455447, AA834685, AI742309,
			SEQ ID NO:1893, b is an integer of	AI857345, AW090377,	AI857345, AW090377, AI708271, AI016116,
			15 to 1304, where both a and b	AA588253, AI167998,	AA588253, AI167998, AI445021, AA455448,
			correspond to the positions of	AA669129, AI474588,	AA669129, AI474588, AI208596, AW015585,
			nucleotide residues shown in SEQ ID	AW015582, AI283110,	AW015582, AI283110, AA773711, AA558268, W93910,
			NO:1893, and where b is greater	D54259, W52496, AW1	D54259, W52496, AW195549, AA418855, AA937302,
			than or equal to a + 14.	AA960793, AA976090,	AA960793, AA976090, AW105521, N62182, AA009747,
				AI686709, AW178327,	AI686709, AW178327, AI275229, T39172, AA471190,

		AI830239, H96641, W76543, AI819930, N31417,
		AA313131, W74348, AI452827, AI288849, AI752417,
		AI302536, AI582458, AA598601, AA128732, C75417,
		AA909646, AI032902, AA075184, AA171822,
		AW022850, AW002778, N23836, AI817387, N24881,
	_	AI814964, AL048124, N25180, AI304602, AA669993,
		AI921652, AA595396, AW380756, AI302375,
		AI439371, AW239521, AA887673, N24118, AI362463,
		AW002735, N36048, N31008, W49555, AI050040,
		AI146896, AA687741, AA862753, AA884028,
		AA076641, AA470703, AI689178, AI436443,
		AI032308, AA174013, AA996198, AI249384, W44341,
		AI862948, AW449712, AI579942, W04328, AA962252,
		AA158264, AI885948, N40273, AI142967, AW193168,
	_	AI926056, AL047210, W45595, AI269843, AA156332,
_		AA128733, AI290452, AI383555, AW366953,
		AI862589, AA969736, AI570732, AI220458,
		AI335877, R00074, AW021966, W49554, AA157265,
		AA329010, AI018121, N36300, AI140345, AI090448,
		AI752028, AI131364, R66674, W84537, AA661834,
		AI446707, AI868207, AA642245, AA075185,
		AI906030, AWZ43595, R92565, AI476033, AW198023,
		W94614, AW059924, AI784436, AI932522, X64875,
		I09499, M31159, AR021228, M35878, M31837,
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		AR021226, X81581, AR060428, AR018791, AR018793,
		AJ223172, Y16351, I09493, A62298, A84916,
		AR018138, A62300, AJ132110, Y17188, D26022,
		AF058696, AR008278, AB028859, X67155, A25909,
		A82595, A67220, D89785, A78862, D34614, X82626,
		AR016808, A30438, D88547, I82448, Y12724,
		AR060385, X68127, U79457, AR025207, A94995,
		AB002449, AR008443, IS0126, IS0132, IS0128,

				I50133. AB012117. Y17187. I09494. A45456.
				AR066488, AR016514, AR060138, A26615, AR052274,
				AR008277, AR008281, A85396, AR066482, A44171,
				X64588, Y09669, A85477, A43192, A43190,
				AR038669, I19525, A86792, AF135125, AR066487,
_				X93549, U46128, AR066490, I14842, D88507,
				AR016691, AR016690, AR054175, D50010, I18367,
				A63261, AL133015, AR008408, I79511, AR062872,
_				A70867, AL080118, AR029580, D13509, A64136,
_				A68321, AR060133, A08456, A31057, T47722,
				T47723, T55703, T91272, T78911, T78964, T95679,
				T96956, T97068, T98840, T99143, R00385, R21263,
				R21264, R31911, R31957, R62970, R63024, R63509,
				R63555, R78123, R79931, R80019, H03256, H04441,
				H27156, H47899, H47900, R92467, R98387, H78782,
				H79278, H79389, H85490, H96640, N20906, N30033,
				N31502, N74163, AA026408, AA040602, AA040685,
_				AA079412, AA173557, AA190828, AA491953,
				AA492100, D78982, N85431, W26462, C00757,
				AA173722, C75590, AA600070, AA678220, AA732900,
				AA852262, AA852355, T23896, T23897, T23930,
				F05444, AI360546, AI473496
1895	HAJBN08	877375	Preferably excluded from the	AA350728, AA316351, AA112015, AA216692,
			present invention are one or more	AW246040, AA693635, AW407512, N55660, AI362985,
			polynucleotides comprising a	AJ002190, AF043937
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 536 of	
			SEQ ID NO:1895, b is an integer of	
			15 to 550, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1895, and where b is greater	
			than or equal to a + 14.	
1896	HFVHT62	877377	Preferably excluded from the	AI739135, AI066521, AW173105, AW261971,
			present invention are one or more	AL039012, AI954494, AA830348, AA284072,

			polynucieotides comprising a	AA789097,	A1005313, AA77	AA789097, AI005313, AA777794, AI041134,
			nucleotide sequence described by	AA856987,	AI700317, AA76	AA856987, AI700317, AA769862, AA804528,
			the general formula of a-b, where a	AA831168,	AA494334, AI14	3496, AI141222,
			is any integer between 1 to 843 of	AI372907,	AA831166, N648	AI372907, AA831166, N64843, N92087, AA769007,
			SEQ ID NO:1896, b is an integer of	AI075136,	AI076701, AA30	AI075136, AI076701, AA305065, AI076409,
			15 to 857, where both a and b	AA315766,	AI273523, AA45	AA315766, AI273523, AA450169, AA314707,
			correspond to the positions of	AA284166,	AA158102, AI35	AA284166, AA158102, AI352491, AA257019, T96666,
			nucleotide residues shown in SEQ ID	T28941, A	1352693, AA6273	T28941, AA352693, AA627383, AA257103, AA464156,
			NO:1896, and where b is greater	AI206700,	T96781, AA1580	AI206700, T96781, AA158059, AA055005, AA757304,
			than or equal to a + 14.	AW059834,	AW340182, AA05	AW059834, AW340182, AA092745, AI678081,
				AW368066,	L27711, U02681	AW368066, L27711, U02681, I30245, L25876,
_				AL049778		
1897	HILBZ32	87578	Preferably excluded from the	AI739135,	AW173105, AI06	AI739135, AW173105, AI066521, AW261971,
			present invention are one or more	AI954494,	AA830348, AA78	AI954494, AA830348, AA789097, AA284072,
			polynucleotides comprising a	AA804528,	AI005313, AA77	AA804528, AI005313, AA777794, AI041134,
			nucleotide sequence described by	AA856987,	AI700317, AA83	AA856987, AI700317, AA831168, AA769862,
			the general formula of a-b, where a	AL039012,	AA494334, AI14	AL039012, AA494334, AI143496, AI141222,
			is any integer between 1 to 765 of	AI372907,	AA831166, AA76	AI372907, AA831166, AA769007, N64843, AI075136,
			SEQ ID NO:1897, b is an integer of	AI076701,	AI273523, AI07	AI076701, AI273523, AI076409, AA305065,
			15 to 779, where both a and b	AA450169,	N92087, AA3157	AA450169, N92087, AA315766, AA158102, AI352491,
			correspond to the positions of	AA314707,	AA257019, T289	AA314707, AA257019, T28941, T96666, AA627383,
			nucleotide residues shown in SEQ ID	AA464156,	AI206700, AA2	AA464156, AI206700, AA257103, AA284166, T96781,
			NO:1897, and where b is greater	AA158059,	AA352693, AA0	AA158059, AA352693, AA055005, AA757304,
			than or equal to a + 14.	AW059834,	AW340182, AI67	AW059834, AW340182, AI678081, AW368066,
				AA450104,	AA092745, L277	AA450104, AA092745, L27711, U02681, L25876,
				I30245, AL049778	3049778	
1898	HAPOR25	877380	Preferably excluded from the	AW272420,	AW242297, AA16	AW272420, AW242297, AA165082, AW263065,
			present invention are one or more	AI378393,	N34290, AA488	AI378393, N34290, AA488409, AI347346, AA701568,
			polynucleotides comprising a	AI174216,	AI668973, AI9:	AI174216, AI668973, AI918787, AA948264,
			nucleotide sequence described by	AA594684,	AW299275, AI23	AA594684, AW299275, AI222510, AI243187,
			the general formula of a-b, where a	AW070414,	AI076437, AA48	AW070414, AI076437, AA488545, AA470051,
			is any integer between 1 to 3296 of	AW380452,	AA164540, AIO	AW380452, AA164540, AI076271, AA657436, N75339,
			SEQ ID NO:1898, b is an integer of	AI473793,	AW025483, AA7	AI473793, AW025483, AA701579, N58947, AA577451,
			15 to 3310, where both a and b	R77252, A	A897628, T6257	R77252, AA897628, T62571, AA102397, R77251,
			correspond to the positions of	AA704389,	AI697267, AA8	AA704389, AI697267, AA826647, W90783, AA632480,
			nucleotide residues shown in SEQ ID	AI032244,	AA583140, WO1	AI032244, AA583140, W01846, T31054, Z43387,

			NO:1898, and where b is greater	AI824451, AI244271, H62456, AA916276, AI084430,
			than or equal to a + 14.	T29815, T62961, AW444516, D25970, N48191,
				T63212, AA252955, AW419194, H61450, T63194,
				H17988, AA939180, AA535,982, T35269, AA962328,
				R06301, AW304307, R68203, AW368013, AW364400,
				AW364354, AI264114, R68204, R06246, AW364364,
				AI262874, AW364338, R89888, N44181, AW384579,
				R89849, AI565221, AW050406, AW362424, AW384580,
				D12170, AW294181, T24830, AW337772, AW364399,
				N53338, W9068B, AA253123, AA102379, H17987,
				AI344295, AW364396, X73882, Y15197, AL023284
6681	HELBN30	877384	Preferably excluded from the	AA059485, AA278695, AA654731, AA278203,
			present invention are one or more	AI475552, AA001323, AA057712, AI628148,
			polynucleotides comprising a	AI935011, AI479111, AI248082, W49737, AA009479,
			nucleotide sequence described by	AW449837, AA447481, R06619, AA040474, AI925539,
			the general formula of a-b, where a	AI347058, AA740520, W86694, T29489, AA341731,
			is any integer between 1 to 1170 of	N59177, AA632345, AA057395, AA836847, AI683333,
			SEQ ID NO:1899, b is an integer of	AI805718, AA120879, H59542, AI379485, R25939,
			15 to 1184, where both a and b	AW182401, T95573, AA281718, AI918021, N41576,
			correspond to the positions of	AA262292, AI425046, R01630, T50780, AA993907,
			nucleotide residues shown in SEQ ID	AW151322, AI911765, AA740339, AI186344,
			NO:1899, and where b is greater	AI583330, W25428, AI193756, AA001910, N75914,
			than or equal to a + 14.	AA921773, AW363532, AA693648, AI242044,
				AI753406, AA588342, M60618, AF056322, U36501
1900	HHFMH12	877387	Preferably excluded from the	AI096627, AI750041, AI589918, AI971206,
			present invention are one or more	AI567485, AI870013, AI492558, AW082735,
			polynucleotides comprising a	AW071873, AW068564, AI494149, AI431911,
			nucleotide sequence described by	AA158252, AI422826, AI493768, AI363488,
			the general formula of a-b, where a	AI460100, AW104306, AA100840, AI755276,
			is any integer between 1 to 3864 of	AA476207, AI992015, AW026405, AI190217,
			SEQ ID NO:1900, b is an integer of	AI738539, AI439206, AA037160, AI361483,
			15 to 3878, where both a and b	AA877117, AA425180, AI372673, D80801, AA678831,
				AI376927, AA160849, AI038534, N77542, AI418906,
			nucleotide residues shown in SEQ ID	AI359937, AI084962, AI356122, W88956, AI499098,
			NO:1900, and where b is greater	AA325211, N62261, N94717, AA043409, AA789304,
			than or equal to a + 14.	AA355373, AI372674, H63354, AA313505, AA351821,

			SASAGAS DOCUMENTOS	BB34646 DOOGO ATO27860 ANTCO270
			TOTAL TOTAL TOTAL	1000, AMIONAGO, AMINOS 10,
			AA343406, AW333365, AA330631, AA158399	STOPET, AMISBARY,
			AW083453, AA156068, AA350488, AA161281,	350488, AA161281,
			AA654017, AW075493, AI094530, AI205125,	094530, AI205125,
			AI686221, H41345, W890	AI686221, H41345, W89039, AA548969, AW338483,
			AI334361, AA102489, AI961671, AA351820	961671, AA351820,
			AI570099, AA367255, T9	AI570099, AA367255, T98883, AI926390, AA631107,
			AA301787, AA143489, TI	AA301787, AA143489, T18598, AA102418, AW189862,
			AA027021, AA376185, AA	AA027021, AA376185, AA904590, D31580, AI590590,
			AW082999, AA702382, WB	AW082999, AA702382, W88756, AL042199, AW134571,
			AI198157, AW009324, AI	AI198157, AW009324, AI811883, AW003196, D29325,
			D29337, AI702386, AA043408, R45887, H50462,	3408, R45887, H50462,
0.0	0000		A1858384, A1624949	
HBXAC19	877388	Preferably excluded from the	U57001, U66406, U62775, AF025288	, AF025288
		present invention are one or more		
		polynucleotides comprising a		
		nucleotide sequence described by		
		the general formula of a-b, where a		
		is any integer between 1 to 161 of		
		SEQ ID NO:1901, b is an integer of		
		15 to 175, where both a and b		
		correspond to the positions of		
		nucleotide residues shown in SEQ ID		
		NO:1901, and where b is greater		
		than or equal to a + 14.		
HWLNV37	877390	Preferably excluded from the	AI887998, AA452467, AI498141, AI468007,	498141, AI468007,
		present invention are one or more	AW088566, AI143229, AI468019, AI924042,	468019, AI924042,
		polynucleotides comprising a	AI302076, AW130545, AW406571, AA552071,	406571, AAS52071,
		nucleotide sequence described by	AI857610, AA148267, AA	AI857610, AA148267, AA496087, AA148266, W37673,
		the general formula of a-b, where a	AA805118, AA894716, AA416636, AA729667	416636, AA729667,
		is any integer between 1 to 1793 of	AA722262, N44792, AI43	AA722262, N44792, AI436679, AI313409, AA846175,
		SEQ ID NO:1902, b is an integer of	AA866080, AA126664, AI459662, AA569841,	459662, AA569841,
		15 to 1807, where both a and b	AA865000, AI313239, AA708711, AI184015,	708711, AI184015,
		correspond to the positions of	AI311722, AA626625, AW406853, AW189410,	406853, AW189410,
		nucleotide residues shown in SEQ ID	AW406861, AA406040, AA976761,	.976761, AI186007,
		NO:1902, and where b is greater	AA136156, AW193942, AI150739,	150739, W15643, AI365686,

		than or emial to a + 14.		AT498762	A1498762 AA865546 AT189894 AA740394	AT189894	AA740394
				AA133324,	AA133324, AI129125, AW022772, AA493572	AW022772,	AA493572,
				AI202523,	AA676968, 1	AA329249,	AI202523, AA676968, AA329249, W05485, AI038788,
				AA716709,	AA126228, 1	N25485, AP	AA126228, N25485, AA830025, AA126339,
					N56854, AA	978006, AI	N56854, AA978006, AI719099, W37534,
				AA953629,	AA663651, AI693987, AA076372,	AI693987,	AA076372,
				AW090432,	N32431, AI	362222, A	N32431, AI362222, AA617762, AA782855,
				AI161045,	C04906, AI	356648, AI	C04906, AI356648, AI371415, AA136072,
				AW044060,	AI937310, AA416713, AI500608,	AA416713,	AI500608,
				AA991563,	AA991563, AA126566, AA305695, AI358972,	AA305695,	AI358972,
				AI926596,	AA384023,	T40849, A	AA384023, T40849, AA076501, AI991793,
				AA730185,	AI698869, AI949134, AA687665,	AI949134,	AA687665,
				AA121023,	AA988991, AA369523, AW275473,	AA369523,	AW275473,
-				AA339483,	AA300942, 1	N35481, A)	AA300942, N35481, AI363884, AA369524,
					AA845483,	F29460, WE	AA845483, F29460, W52535, AI810861,
-				AA582099,	H19093, N8	0825, AA70	H19093, N80825, AA708946, AA384975,
				AA379550,	AA373476, AA648147, AI818027,	AA648147,	AI818027,
					N56694, AW	083204, A	N56694, AW083204, AA372060, AA496767,
_				AW007697,	AA748067, AI655704, AA987626	AI655704,	AA987626,
	···-				M62297, AA	043512, AJ	M62297, AA043512, AA043513, AA384593,
	_				AI086772, AI279119, AI635811	AI279119,	AI635811,
					AW002936, AA480294, AI276970,	AA480294,	AI276970,
				AA515682,	AA043019, AA773750,	AA773750,	AA169816,
				AL038644,	AA133400, AW080380, AI434682,	AW080380,	AI434682,
				AA384974,	AI300543, AA176343, AI278392	AA176343,	AI278392,
				AA706110,	AA678943,	AA515683,	AA706110, AA678943, AA515683, N20394, AA375542,
				AR030958,	AR030958, AB014532, AC004922,	AC004922,	S77329, Ull861,
				AF058791,	T39861, AI421422	421422	
1903 HWHQH17	QH17 877393	93 Preferably excluded from the	the	AI346901,	AI346901, AI191444, AW001394, AL036955	AW001394,	AL036955,
	_	present invention are one or more	e or more	AI660571,	AI660571, AI818120, AI018511, AI052368,	AI018511,	AI052368,
		polynucleotides comprising a	ng a	AW027921,	AW027921, AW007170, AA603096, AW057755,	AA603096,	AW057755,
		nucleotide sequence described by	ribed by	AA485948,	AA485948, AI149233, AW081475, AI677997,	AW081475,	AI677997,
	-	the general formula of a-b, where a	-b, where a	AW410351,	AW410351, AW300638, AA488667,	AA488667,	AW409854,
		is any integer between 1 to 2796 of	to 2796 of	AA402239,	AA402239, AA486496, AA486050, AW409878,	AA486050,	AW409878,
		SEQ ID NO:1903, b is an integer of	integer of	AA486507,	AA486507, AW409856, AW194332,	AW194332,	AA554501,
		15 to 2810, where both a and b	and b	AW084623,	AW409835, AA617980, AI040998,	AA617980,	AI040998,

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	×	77004707	AW205021	ANAGO167, AM205014, AM430234, AM473044,	AT313150
	then or ome to a til	AA466167,	HA486187, AM305031, AA410912,	AA410912,	
	רוומוו כד כלתמו ככ ש ל דא.	AA676466,	AW409596,	AA476902.	
		AA902228,			
_		AW303926,	AA599915,	AA485902,	AI126733,
		AI445068,	AW409577,	AA593873,	AI016575,
		AA719627,	AA488240,	AA482604,	AW303900,
-		AA486198,	AA430025,	AA847289,	AA188216,
		AW409876,	AI246054,	AA402700,	AA421202,
		AA416583,	AA847234,	AA630648,	AI802458,
		AA211469,	AA190840,	AW025006,	AA035463,
		AA186363,		AA670258,	AI469676,
		AA426620,	AA179226,	AW300817,	AI161092,
		AI199582,	AI339697,	AA993589,	AI083639,
		AW001456,	AA758347,	AA633544,	AA987682,
		AA486304,	AI889937,	AI581339,	W45576, AA701272,
		AI565866,	AI347560,	AI347560, AI079926,	AI146534,
		AA601655,	AI459359,	AA489322,	AI247541,
		AI469729,	AI469729, AI074396,	AW001571,	AW001571, AA579941,
		AI278644,	AI459387,	AI278644, AI459387, AA513381, AA477332,	AA477332,
		AI076715,	AA976943,	AI076715, AA976943, AA833630, AA149959,	AA149959,
		AI921791,	AI280849,	AI921791, AI280849, AI174208, AI066715,	AI066715,
		AI285157,	AA194865,	AI285157, AA194865, AA132930, AI673225	AI673225,
-		AI269574,	H16257, A	A588880, A	AI269574, H16257, AA588880, AA133075, AA188878,
		AA627878,	AA025145,	AA627878, AA025145, AIS68930, AA196286,	AA196286,
		AI220665,	AA723359,	AI220665, AA723359, AA954162, AA489559,	AA489559,
		AA630299,	AA135404,	AA630299, AA135404, AA188819, AI362548	AI362548,
	-	AA132630,	AI095498,	N78671, A	AA132630, AI095498, N78671, AI453521, AA804703,
		H05127, A	A477015, A	I802650, T	H05127, AA477015, AI802650, T71317, W20292,
		AA665815,	AA186894,	AI984554,	AA665815, AA186894, AI984554, AA488648, W72251,
		AI094464,	AI810394,	W03180, A	AI094464, AI810394, W03180, AA026596, AA112256,
		AA486030,	H39838, A	I074194, T	AA486030, H39838, AI074194, T68162, AA111856,
		AW247688,	AA029620,	AI091141,	AW247688, AA029620, AI091141, AI700362, H39837,
		AA724925,	W69320, R	76662, H95	AA724925, W69320, R76662, H95672, W37885,

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	AA113087, AA026212, AI469745, AA551884, H90593,
	AI005020, AI222480, AW410352, AA053730, T51921,
	AA180226, H95056, H05168, AI567382, H51410,
	AA132447, AI701332, AA580777, H16457, AW068052,
_	AI669265, W00631, AA676405, AI026137, H94704,
	AI075680, AI355337, AA654907, F07217, W87892,
	AA329066, AA190498, H26731, AW166037, AI309017,
-	AA180254, W15177, T57363, AA085889, W87601,
	AA688235, AA046089, AA701113, H94488, X01630,
	AR052178, M26198, M36708, M31690, X72012,
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	AC003989, Z23142, S69407, X77952, D16950,
	L00081, U37442, Z36810, D16853, K01848, K01847,
	T51710, '
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	T69569, T69637, T70491, T71461,
	T97732, T97836, R18156, R37533,
	R40277, R74521, H04540,
	H26732, H41805,
	H49054, H51452, H54616,
	H58822, H63647, H63648,
	H79204, H79109, H90004, H90499, H94167, H94574,
	N68952, N69990, N74472, N81114, N91877, N93029,
	N94630, W19782, W21267, W45627, N90672,
	AA025144, AA026595, AA035442, AA069289,
	AA120847, AA128188, AA128189, AA135326,
	AA152174, AA180269, AA188704, AA189129,
	AA196144, AA468336, AA503585, AA512973,
	AA513355, F15917, AA631927, AA631928, AA658505,
	AA688002, AA864500, W07470, C00341, C01724,
	AA482538, AA628208, AA669415, AA719284,

				AA852208, AA852209, T10360, T10361, T58496,
				AIISO0406, AIG59249
1904	HDPFP36	877396	Preferably excluded from the	AW242873, AIG38226, AW014789, AI928114,
			present invention are one or more	AI478983, AI075890, AW242842, AI675131,
			polynucleotides comprising a	AW014540, AW372249, AA630413, AI313145,
			nucleotide sequence described by	AI653172, AA134046, N32561, AI752719, AI653034,
			the general formula of a-b, where a	AA489839, AA551242, AA480899, N53472, AI092888,
			is any integer between 1 to 4025 of	AI479478, AA210774, W00846, AI761985, AI276657,
			SEQ ID NO:1904, b is an integer of	AW151703, AI830594, AI589236, N41905, AI753040,
			15 to 4039, where both a and b	AI335745, AA489659, AI027334, W46149, W57952,
			correspond to the positions of	W58099, AA846532, W58085, AI423910, AI126500,
			nucleotide residues shown in SEQ ID	W00854, AA923540, AA669903, W73619, AI620667,
			NO:1904, and where b is greater	AA312838, AI041901, AA126268, AI357683, W58035,
		_	than or equal to a + 14.	W73667, AA232572, AW002525, W03762, N98674,
				H06349, AA700807, AA134045, AA283647, AI752720,
				AI693833, AA064885, AI093714, AI033028,
				AI167615, AA902590, W46161, N23622, AA704812,
				AA910235, AA126386, AA480960, R40680, AI032472,
				N41728, AI675041, AI590268, R80530, AI344793,
				R80419, AA480245, AA991447, R86064, H06293,
				AI318610, AA064808, AA810121, AA283646, H98584,
				N23621, AA811695, H09433, AI241317, AI470594,
				R40250, AW181920, AA374575, H09084, T90456,
				AA569988, H84159, H84160, AI700949, H89683,
				N66151, R14352, AA373949, R14299, AI538863,
				AA644291, N89241, R91989, N68235, AA810813,
				AI084359, N72476, AI547027, AA232625, H89759,
_				AA564759, AW382356, AW371061, R57492, AA249229,
				H97526, D50917
1905	HCFMY07	877406	Preferably excluded from the	AW004054, AL135021, AW173336, AA846316,
			present invention are one or more	AI208817, AA861115, AW377287, AI884576,
			polynucleotides comprising a	AA403122, AW377237, AA449008, N22548, AI612907,
_			nucleotide sequence described by	AI697252, AI337225, AA488782, AA166884,
			the general formula of a-b, where a	AA114179, AA824590, AA723930, AA488998,
			is any integer between 1 to 3975 of	AA534667, AI335733, AA922029, AA846011,

			SEO ID NO:1905, b is an integer of	AA732053,	AA807156,	N31650, D6	AA732053, AA807156, N31650, D61907, AA604009,
			15 to 3989, where both a and b	AL121217,	C75317, AI	183839, AA	AL121217, C75317, AI183839, AA285257, AI631612,
			correspond to the positions of	AI701860,	AI872948,	AI701860, AI872948, AA724511, AA593781,	AA593781,
			nucleotide residues shown in SEQ ID	AI955474,	AA490358,	AI955474, AA490358, AA348286, AW014127,	AW014127,
		•	NO:1905, and where b is greater	AA034503,	AW382984,	AA114216,	AA034503, AW382984, AA114216, AA714035, N44341,
			than or equal to a + 14.	AA083061,	AA401848,	D82796, AA	AA083061, AA401848, D82796, AA813448, AI707514,
				AW242769,	AI695226,	AA039307,	AW242769, AI695226, AA039307, D82808, T57805,
				AI865947,	AA490260,	D79331, H4	AI865947, AA490260, D79331, H45236, AA312976,
				AI904624,	R62919, DE	59331, H675	AI904624, R62919, D59331, H67517, R62920,
				T96420, R2	1224, D629	945, AI6484	T96420, R21224, D62945, AI648439, AW383006,
				AA789111,	R63601, D6	52711, AA3	AA789111, R63601, D62711, AA336494, AA340489,
				T39404, A	247910, NE	57607, T823	T39404, AA247910, N67607, T82367, AW070205,
				T27263, AI	625255, He	58430, AIB	T27263, AI625255, H68430, AI824522, D82698,
				R21223, AJ	401720, NE	59296, AA24	R21223, AI401720, N59296, AA249438, AI217233,
				D82710, DE	9332, AA56	55565, AA4	D82710, D59332, AA565565, AA450364, R95490,
				AA490906,	C01268, AV	4363022, AJ	AA490906, C01268, AW363022, AA913585, AA491092,
				E13124, U4	2424, U58	E13124, U42424, U58512, U61266	10
9061	HSYBP46	877408	Preferably excluded from the	AI963125,	A1609225,	AI963125, AI609225, AI884581, AW069271,	AW069271,
_			present invention are one or more	AI953978,	AI567519,	AI953978, AI567519, AA703985, AI858101,	AI858101,
_			polynucleotides comprising a	AI281477,	AA878466,	AI281477, AA878466, AW084603, AA004204,	AA004204,
_			nucleotide sequence described by	AI755045,	AI753615,	AI755045, AI753615, AA122291, AW150834,	AW150834,
_			the general formula of a-b, where a	AL038513,	AA706823,	AI814914,	AL038513, AA706823, AI814914, AA127736, N32519,
			is any integer between 1 to 2615 of	AA706805,	AI564735,	AA706805, AI564735, AI670785, AI754803,	AI754803,
			SEQ ID NO:1906, b is an integer of	AI888126,	AI654845,	AI888126, AI654845, AA452231, AW385337,	AW385337,
			15 to 2629, where both a and b	AI160667,	AI755281,	AI160667, AI755281, AI122842, AI127349,	AI127349,
			correspond to the positions of	AW088731,	AI083555,	AW088731, AI083555, AA609330, AA058930,	AA058930,
			nucleotide residues shown in SEQ ID	AA486379,	AA486379, AW021109,	W93848, A	W93848, AA115524, AI090089,
			NO:1906, and where b is greater	AI570898,	AI262822,	AI570898, AI262822, AA903134, AI697486,	AI697486,
			than or equal to a + 14.	AI088658,	AA121511,	AI088658, AA121511, AI580763, AL038512,	AL038512,
		_		AW439391,	AI341677,	W52306, A	AI341677, W52306, AA010309, AW069115,
				AI127946,	AI692736,	AI692736, AA600038, AW068714,	AW068714,
_				AI354707,	AI354707, AI589319,	AI371826,	AI371826, AW008422,
				AI754320,	AI346302,	AA723122,	AI754320, AI346302, AA723122, AA010310,
				AA599273,	AA137194,	AA599273, AA137194, AA599504,	AW069432,
	_			AW088383,	AI751005,	AW088383, AI751005, AA725207, AW385359,	AW385359,
				AI304554,	AI457114,	AI304554, AI457114, AW191921, AW020206,	AW020206,

AW372817, AI446310, AW074603, AI075140,	
AW291469, AI214470, N89578, AW069514, AW385351,	5351,
AI753788, AW372828, AI752198, AI052797,	_
	42,
AI095555, AI754231, AA070970, AW302579,	-
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AW073493, AI750527, AA305175, AI200515,	
A1342335, A1751983, A1417127, AA993150, R77205,	7205,
 AA137193, AI935300, AW393329, AI560062,	
 AI077562, N75508, W93869, AI127162, AI582477,	177,
AA573183, AA857098, AA42665, AW385366,	
AW068212, AW393339, AW39324, W87515, AI751004	1004,
AI039775, R95826, AA040410, N68613, AI752199,	,66
AA150616, AI919268, AW372823, W87487, AW393333	3333,
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 AI671130, AI094661, R69515, AA330038, AA705256,	15256,
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AA974667, N99050, AW068455, AI147454, H87987,	987,
 W05395, AI865506, D62061, AA578679, AA329445,	145,
 AW372121, AW393330, H59312, AA122386, D62992,	992,
AA449381, AA330407, AI589497, AA142904, H45011	15011,
AI382841, AW385329, AI688861, R86097, H13571,	571,
H44959, AI932553, R09536, AA332101, H03527,	
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AW444479, AA115948, AA853107, AA099728,	
AA853780, AA194797, AI263967, T31631, AA333851	33851,
AA330396, AA342316, AI569315, AA332661,	
AA852331, AA092962, AI750253, R27794, AA346374,	16374,
 AA332339, AW196741, AI537624, AA040329,	
AA328122, AA233015, N63241, W57799, AA344504,	504,
AA232701, AA092106, H39522, C02028, AA386156,	156,
T29615, AA334576, AA304992, AA194648, R09649,	549,
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 AA334087, T31612, R07858, AA332886, AA329886,	186,
AA449254, C00044, AA348035, AA328980, AA361011.	51011,

CANCAS CARLANT CALLES CANCAST
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AJ224880, MI0956, J03051, 111587, AL050138,
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E03348, AF100931, E03349, A18777, S36676,
 ALO49382, AL137558, S83440, AL133619, AL110280,
E15582, AL137463, 148978, E04233, AL080154,
A08913, ALO50116, AL137555, AL137480, AJ005690,
AL137476, A08907, A08912, AL137256, A08910,
S78214, AF067790, I89931, A08909, X99257,
AF061981, D16301, AL117435, 149625, AF016628,
X82434, A08908, U53505, AL133624, AL080150,
 S76508, AL080163, AL080124, Z13966, I89934,
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AL133113, AL133568, AF113689, AL117587,
 AF176651, AL137574, AF058921, 109499, AL117440,
 U91329, AL050092, AL133010, AR034821, E02221,
A03736, AL137292, I68732, X53587, A08916,
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 AL137530, AF200464, AL117578, AF199509,
AF185576, AL117629, S69510, AF055917, AF159615
 A18788, AF162270, A15345, I79595, AF002985,
AF126247, AL049300, A65340, U92068, AL133558,
AL137459, AF106697, AL133557, E01314, T63108,
 R27886, H13204, H88165, H88165, N64280, N76100,
 AA461456, AA594297, NB7869, AA091436, AA095583
AI086998, T03859, T24745, AI128830, AI537635

	1			
1907	HCRQK59	877411	Preferably excluded from the	AI394016, AI337333, AW008484, AI492226,
			present invention are one or more	AA503225, AIB32480, AA551754, AW263863,
_			polynucleotides comprising a	AA782573, AA469071, AI700423, AI380990,
			nucleotide sequence described by	AI631409, W95477, AI651800, AA804581, AW016198,
			the general formula of a-b, where a	AIS67909, W05729, AW338263, AA488420, AW134932,
			is any integer between 1 to 1537 of	AW149688, AI424300, AI569012, AA348345, W95367,
			SEQ ID NO:1907, b is an integer of	N74885, Z20694, AIS69356, AW083000, AA745423,
			15 to 1551, where both a and b	AW193135, T24482, AI355870, R65920, AW054656,
			correspond to the positions of	A75401
			nucleotide residues shown in SEQ ID	
			NO:1907, and where b is greater	
			than or equal to a + 14.	
1908	HWLXK44	877437	Preferably excluded from the	H53943, R09272, W52643, AW001226, AI827422,
			present invention are one or more	AI086839, AI752330, AI752329, H53944, AL136295,
			polynucleotides comprising a	U94831
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 454 of	-
			SEQ ID NO:1908, b is an integer of	
			15 to 468, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1908, and where b is greater	
			than or equal to a + 14.	
1909	HE8DZ94	877630	Preferably excluded from the	AI684587, AA610052, AI189791, AI186697,
			present invention are one or more	AI751250, AI310126, AI188971, AA906201,
			polynucleotides comprising a	AA019739, AW264561, AW009062, AI361312,
			nucleotide sequence described by	AA887119, AA971980, AI580662, AA088862,
			the general formula of a-b, where a	AI261311, AA575958, AA018414, AI268976,
			is any integer between 1 to 1785 of	AA904689, AI784506, AI654089, AA838000,
			SEQ ID NO:1909, b is an integer of	AI800634, AAD18103, AA833673, AA809439,
			15 to 1799, where both a and b	AA970480, AI419770, AW189948, AI806808, N40196,
			correspond to the positions of	AA886637, H38658, AA059058, AA809455, AA532665,
			nucleotide residues shown in SEQ ID	
			NO:1909, and where b is greater	AA054140, H86494, AA469072, AI933491, AA935534,
			than or equal to a + 14.	AA634291, N58823, AI799084, H86061, R24685,

				C21487, A	W440198, AA4	82137, AI97	C21487, AW440198, AA482137, AI971218, H66403,
				AA570041,	AA555150, A	A494063, H7	AA570041, AA555150, AA494063, H78365, AA935511,
				AI807280,	Z21231, AAG	19783, H784	AI807280, Z21231, AA019783, H78462, AA632718,
				AI338489,	AI338489, Z19788, W01156, AA016261, N28787,	.156, AA0162	861, N28787,
				AF151877,	AF113127, A	L117550, AF	AF151877, AF113127, AL117550, AF161526, A74434
1910	HTELO87	877881	Preferably excluded from the	AA115605,	AA115605, AI589156, AA115471, AI359615	A115471, AI	(359615,
			present invention are one or more	AA115213,	AI817096, N	150090, AW11	AA115213, AI817096, N50090, AW118065, AI024233,
			polynucleotides comprising a .	AA423826,	AA423826, AA610042, AI672797, AA307285	AI672797, AA	4307285,
			nucleotide sequence described by	AI800760,	AA989046, A	A975271, W6	AI800760, AA989046, AA975271, W60559, AA463414,
			the general formula of a-b, where a	AW162429,	N50523, AAG	34218, AA80	AW162429, N50523, AA034218, AA805237, AA115129,
			is any integer between 1 to 1253 of	AA721969,	AA496544, N	152970, AA41	AA721969, AA496544, N52970, AA419084, AA708005,
			SEQ ID NO:1910, b is an integer of	AI741973,	AI741973, AI204382, AA476516, R70914,	A476516, R7	70914, R70913,
			15 to 1267, where both a and b	AA043558,	AA043558, AA320866, AA476416, AA033534	1A476416, AA	4033534,
			correspond to the positions of	AA781036,	AA781036, AI627278, AA903019, AA347354	AA903019, AA	4347354,
			nucleotide residues shown in SEQ ID	AA035548,	D25909, AAC	143557, AI41	AA035548, D25909, AA043557, AI419107, AI080319,
			NO:1910, and where b is greater	H97516, C	H97516, C21455, N50579, AW299563, AA310893,	79, AW299563	3, AA310893,
			than or equal to a + 14.	AA307286,	AA307286, AI761872, AA035038, AA905739	AA035038, AA	4905739,
				AA746181,	AA746181, AI521292, AI554821, AI433157,	AI554821, AI	1433157,
				AI889189,	AI889189, AI866469, AI815232,		AW086285,
				AI927233,	A1927233, A1366900, A	AI539707, AI	AI355779,
				AI590043,	AIS90043, AI440239, P	AI537677, AI	AI494201,
				AIS00659,	AI539800,	AI866465, AI	AI801325,
				AI500523,	AI538850,	AI702065, AI	AI582932,
				AI923989,	AI872423,		AI500706,
				A1491776,	AI445237,		AI521560,
				AI500662,	AW172723,		AI440263,
				AI538885,	AI889168,		AI828574,
				AI633493,	AI434256,		AI805769,
				AI888661,	AI648454,	AI284513, AI	AI888118,
				AI859991,	AI859991, AI436429, I	AI887775, AI	AI889147,
				AI581033,	AI581033, AI371228, A		AI440252,
			-	AI866786,	AI866786, AI610557, A	AI860003, AI	AI242736,
				AIB87499,	AI887499, AI539781, A	AIS00714, A	AIS59957,
				AI491710,	AI491710, AI521571, #		AI623736,
				AW089557,	AW089557, AW151974, 1	AW151979, AJ	AI612913,
				AI885949,	AI885949, AI371265, AL045500, AI469775,	AL045500, A	1469775,

				AL039390, AI567953, AI446495, AI863014,	46495, AI863014,
				AI671642, AI890907, AI866581, AI889148,	166581, AI889148,
				AI285439, AI431307, AI539771,	39771, AI804505,
		•		AIS54827, AI866461, AI815150, AI273179,	115150, AI273179,
				AI371251, AI866510, AI285419,	85419, AI923046,
	•			AL047422, AW151136, AI866691,	166691, AI924051,
_				AA715307, AI432644, AA809974,	109974, AI828583,
				AI569439, AI872315, AI624545, AL042365,	524545, AL042365,
				AA641818, AI648567, AL049776,	149776, Z99943, U50823,
				L13297, U01145, Y17793, AL122110, U00763	AL122110, U00763,
				AF097996, AL133080, AL133607, AL122049,	133607, AL122049,
				AF113694, AL133053, U31	AF113694, AL133053, U31501, AL133049, AF093119,
				X62840, AL133655, AL0S0116, I17767, AL133015,	0116, I17767, AL133015,
				AL133608, AL133072, AL1	AL133608, AL133072, AL137267, U30290, AL122101,
				E13998, AF002985, AL133	E13998, AF002985, AL133081, AL133077, AL137283,
				A30543, I19505, U96138, AL122103, E07361,	AL122103. E07361.
				S71381, E12888, AL133084, AL133070, AF132676,	34, AL133070, AF132676,
				AL049423, AF061836, M30514, Y07915, AR034821,	0514, Y07915, AR034821,
				AR034830, I96214	
1911	HWLQL72	878199	Preferably excluded from the	W95797, AI815614, AA159571, AA001628, N47368,	9571, AA001628, N47368,
			present invention are one or more	AI143890, AA485201, H27837, AA385921, T96878,	7837, AA385921, T96878,
			polynucleotides comprising a	AA382884, AA384878, W95754, H18148	5754, H18148
			nucleotide sequence described by		
			the general formula of a-b, where a		
			is any integer between 1 to 540 of		
			SEQ ID NO:1911, b is an integer of		
			15 to 554, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1911, and where b is greater		
			than or equal to a + 14.		
1912	HBJJL05	878207	Preferably excluded from the	AI802901, AI889514, AA4	AI889514, AA464368, AW026514,
			present invention are one or more	AI278645, AA315349, AA777364, AI741517	777364, AI741517,
			polynucleotides comprising a	AW139143, N93194, AA632	AW139143, N93194, AA632076, AA700910, AA456473,
			nucleotide sequence described by	AI889524, AI160031, AA464386, AA464702,	464386, AA464702,
			the general formula of a-b, where a	AI089651, AI057409, AI271327, AI921322,	271327, AI921322,

			is any integer between 1 to 1704 of	AA417376,	AI689262, AA0814	AA417376, AI689262, AA081418, AI611368, R83304,
*			SEQ ID NO:1912, b is an integer of	N99927, AK	272715, AI281824	N99927, AW272715, AI281824, AA680361, AI278647,
-			15 to 1718, where both a and b	AW022859,	AW022859, AW268970, AI273221, AW264836,	221, AW264836,
			correspond to the positions of	AW022729,	AI184566, AA4169	AW022729, AI184566, AA416981, AW020287, R52791,
			nucleotide residues shown in SEQ ID	AI247775,	AI247775, AI924151, AI669435, AI093813,	435, AI093813,
			NO:1912, and where b is greater	AI206016,	AI206016, AA888936, AW027977, AI269409,	977, AI269409,
			than or equal to a + 14.	AW027941,	AW250197, AI334;	AW027941, AW250197, AI334129, AI474405, N34475,
	,			AA351606,	AA351606, AA435915, AI270365, AW022849,	365, AW022849,
_				AA650241,	AA629813, AA594133, AI358262,	133, AI358262,
				AA972239,	N63595, AI53898	N63595, AI538989, AI075918, AI431608,
				AI094322,	AI094322, AI868462, AA454579, AW379850,	579, AW379850,
				AW005549,	AI088724, AI240714, AI421046,	714, AI421046,
				AI493454,	H81794, AI34800;	H81794, AI348002, AI935462, AI702637,
				AA730245,	AI982825, T0600.	AI982825, T06003, AI338374, AA173157,
				AI767408,	AA417194, AA493371, AI688358,	371, AI688358,
				AW167434,	AI688521, AI961941, AW269290,	941, AW269290,
				AA351839,	AA024843, AA319841, AA675922,	841, AA675922, N57835,
				AA464275,	AA491623, AI263242, AA812261,	242, AA812261,
					AA527515, AA478734, AI700650,	734, AI700650,
				AA527428,	AI393134, AI359837, AI591187,	837, AI591187,
				AA352936,	AA364692, AW167	AA364692, AW167540, F09704, AI432014,
				AI241621,	AI768245, AA380.	AI768245, AA380399, AI739437, R95684,
				AI248967,	T66281, AA516011, AI919046,	1, AI919046, T98208,
				AA582002,	AAS82002, AA747622, AI523723, AI348587,	723, AI348587,
				AI904291,	R83399, AI78437.	AI904291, R83399, AI784373, H29486, R94431,
				AA256650,	N42879, AI03206	AA256650, N42879, AI032060, AI887086, AA235236,
				T98967, A.	.056747, AA30666	T98967, AI056747, AA306667, AA768239, W38780,
-				T98209, A	1642247, AI55438	T98209, AA642247, AI554380, AW302197, AI816825,
_				AI766194,	AW207784, AW376	AI766194, AW207784, AW376043, C02058, AI033452,
				AC000378,	AB019038, Z6600	AC000378, AB019038, Z66003, Z66002, Z65575
1913	HE2HC14	878238	Preferably excluded from the	AI127452,	AI127452, AW351965, AW351958, AW178075,	958, AW178075,
			present invention are one or more	AW351966,	AW351966, AW351967, AW351961, AW177978,	.961, AW177978,
			polynucleotides comprising a	AI659805,	AI659805, AW351960, AA772145, AI336994,	145, AI336994,
			nucleotide sequence described by	AW178080,	AW178080, AI332356, AW340996, AW177836,	1996, AW177836,
			the general formula of a-b, where a	AW178082,	AW178082, AW178086, AI703194, AW178079,	194, AW178079,
			is any integer between 1 to 1961 of	AW177841,	AW177841, AA102622, AW136469, AI476336	1469, AI476336,

	SEQ ID NO:1913, b is an integer of	AI636042,	AI636042, AW375181,	AW365198,	AI813938,	
	15 to 1975, where both a and b	AI769135,	AI074596,	AA418593,	AW178083,	
	correspond to the positions of	AI498407,	AI654773,	AW351962,	AW177876,	
	nucleotide residues shown in SEQ ID	AI366827,	AW178077,	AW020441,	AA806382,	
	NO:1913, and where b is greater	AW178182,	AW178076,	AW178081,	AW177879,	
_	than or equal to a + 14.	AW365184,	AW366023,	AW365168,	AW375184,	
		AA418655,	AW177839,	AW178084, AI468009	AI468009,	
		AI433820,	AI692309,	AW082896, AI927777,	AI927777,	
	-	AW365192,	AW387262,	AI143953, AW365194,	AW365194,	
		AA421501,	AI271676,		AA854439,	
		AW082902,	AW177842,	AW128928, AI392856,	AI392856,	
		AW365398,	AA421470,	AW365185, AA535678,	AA535678,	_
		AI400413,	AW365353,	AW387278, AA680114,	AA680114,	
		AI076707,	AI285336,	AW365392, AI581008,	AI581008,	
		AW375185,	AA938196,	AI801859, AW089786,	AW089786,	
		AI382040,	AW365381,	AW365381, AW365201, AW375183,	AW375183,	
		AI243492,	AA973630,	AA973630, AL120271, AA649053,	AA649053,	
		AW365405,		AI698558, AA934487, AW366025,	AW366025, R98908,	908,
		AI473267,	H70023, A	A976681, A	H70023, AA976681, AW365408, AA806629,	629,
		AW375120,	AI536915,	AI536915, AW178078, AW365180,	AW365180,	
		AW365183,	AW003830,	AW003830, AW178085, AA400106,	AA400106,	
		AA532939,	H59432, A	A719249, W	AA532939, H59432, AA719249, W85961, AW387263,	3,
		H58724, A	I301165, A	W294007, A	H58724, AI301165, AW294007, AA463549, AA527345	345,
		AW262369,	AI830518,	AW262369, AI830518, AA832369, AI383837,	AI383837,	
		AI216813,	AA280430,	AI216813, AA280430, AW177877, AW365189,	AW365189,	
		AW177079,	AI288375,	AI288375, AW375133, AA515868	AA515868,	
		AW375160,	AW243710,	AW375442,	AW243710, AW375442, R98681, AA932395,	395,
		AW169226,	AA188895,	AA188895, AI335817, AW365411,	AW365411,	
		AW365146,	AW365417,	AW365417, AW382189, AW365202,	AW365202,	
_		AW382124,		I635752, A	W24191, AI635752, AI868465, AA280348,	348,
		AW365182,		W365412, H	R97677, AW365412, H56644, W72745,	
		AW177846,		AW365404, AW365402, AW365359,	AW365359,	
		AA424055,		AW365164,	AW177974, AW365164, N91771, AW365193	193,
		AW351813,		20462, AW3	W85877, D20462, AW365388, AW375179,	6,
		AW375130,		W365362, C	R84876, AW365362, C01884, AW351560,	٠,
		AW375422,	AW365364,	AW366058,	AW375422, AW365364, AW366058, AA936703, AC008040	08040

1014	1914 HDTHISI	878274	878274 Dreferably excluded from the	1118012 AA045933 AA128223 N72395 AA058726
:			present invention are one or more	AI834324, N86927, AA356189, AW351942, AA349355,
			polynucleotides comprising a	W04179, AF203978, U34879, U43607, U43548
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 494 of	
			SEQ ID NO:1914, b is an integer of	
			15 to 508, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1914, and where b is greater	
			than or equal to a + 14.	
1915	HRGDE77	878374	Preferably excluded from the	AL041566, AA477266, AI656936, AI951716,
			present invention are one or more	AI096374, AA477267, AI927648, AA292231,
			polynucleotides comprising a	AA479878, AA922034, AI718425, AW340634,
			nucleotide sequence described by	AA699300, AA443588, AI141913, AI150393,
			the general formula of a-b, where a	AI262030, AA824471, AA399440, AA427523,
			is any integer between 1 to 2871 of	AA812642, AA293470, AA723836, AA994091,
			SEQ ID NO:1915, b is an integer of	AA575922, W76034, AI985377, H49237, AW016407,
			15 to 2885, where both a and b	AA143496, AI660111, R20962, AA873844, AA143497,
			correspond to the positions of	R06788, AA808474, T79352, Z45236, F04128,
			nucleotide residues shown in SEQ ID	R01824, AA503842, AI361214, T79783, AI918933,
			NO:1915, and where b is greater	T39691, W72847, AW079858, AA987751, R00061,
			than or equal to a + 14.	AA430714, AI424488, F08632, AA293015, H49238,
				F01790, AI873138, AW235170, AA693978, AW407497,
			•	AA548157, R06739, AA343968, AA227223, AA421387,
				AW082809, AI867963, R01094, AI823640, R42744,
				AW050670, AA226870, AB033010, AL137675
9161	HHFHR53	878403	Preferably excluded from the	AL048840, AI064902, AW249691, AI872413,
			present invention are one or more	AW243294, AL138300, AI590076, AA100757,
			polynucleotides comprising a	AW004004, AI923006, AA587051, AA279533,
			nucleotide sequence described by	AI419833,
			the general formula of a-b, where a	AI078293, AI082751, AI015661, AW167064,
			is any integer between 1 to 2994 of	AA427783, AW117731, AW169146, AA070150,
			SEQ ID NO:1916, b is an integer of	AW088356, AI336423, AI803586, AA100821,
			15 to 3008, where both a and b	AL048839, AW105007, AA332665, AW021472, W93478,

				\$100 mm
			correspond to the positions of nucleotide residues shown in SEO ID	AA211303, R51407, AA040271, AI128507, AI824743, AI520729, AA279532, N62195, AA770032, AI991817,
			NO:1916, and where b is greater	W67473, AA309583, AW392599, AA976795, R14643,
			than or equal to a + 14.	AA976594, AI216760, AA442972, R53567, AA369897,
				AI364305, T56013, AW021133, AA016204, R53679,
				AA620855, H73568, AI521207, AA554353, AA209214,
				AA369896, AI832743, AA609475, AI536106, W67474,
				AI672267, AA563648, AI824485, AI561042,
				AA040252, AI383108, AA579428, AA305720, T91394,
				T04986, R45624, T86544, R29736, C00010, T29665,
				T05066, AA887773, AI985106, T85482, AW243484,
				N76492, AA720874, AA573214, AI125103, AW021569,
				AA305679, L25798, X66435, AL079334, AL050004,
				L00334, L00330
1917	HTPAY82	878433	Preferably excluded from the	AI078580, AI743235, AA429945, W93646, AA455042,
_			present invention are one or more	AI128804, AI826623, AA516431, AI989747,
			polynucleotides comprising a	AW183193, AI141284, AI989739, AA702011,
			nucleotide sequence described by	AA911088, AA989129, AA876539, AA477156,
			the general formula of a-b, where a	AA305052, W19506, N89912, AI265924, AA644621,
			is any integer between 1 to 544 of	W38899, W52820, AI633679, AA987264, AI263261,
	,		SEQ ID NO:1917, b is an integer of	AI371387, AI349474, AA805723, T90569, N95062,
			15 to 558, where both a and b	W93906, AI198595, AA946978, AI419292, AI198127,
			correspond to the positions of	AA778301, AI631831, AI352478, AI693357,
			nucleotide residues shown in SEQ ID	AA927461, T97984, AA341602, AA035640, AA356704,
			NO:1917, and where b is greater	AA338760, AA295467, AI933253, AA374253,
			than or equal to a + 14.	AL044098, AI206661, AA780176, R02479, AI123118,
				AA338761, AA234074, T98061, T83106, AA193255,
				AA479657, AF104628, AI220255, AI857454,
				AF096895, AF057306, AF135380, AF135381, AF145216
1918	HMUBQ39	878436	Preferably excluded from the	AW084650, AA088424, AI697069, AA172042,
			present invention are one or more	AA838417, AA172044, AI744623, AI627227,
			polynucleotides comprising a	AI630224, AA993207, AI371167, AI949142,
			nucleotide sequence described by	AI890821, AA609797, AI018761, AW372890,
			the general formula of a-b, where a	AI814927, AA625264, AI954856, AA993191,
			is any integer between 1 to 1805 of	AA614086, H05584, AI961696, R39132, AI632376,
_	_		SEQ ID NO:1918, b is an integer of	AI143462, AW136636, AA722935, AA172197, D20763,

		15 to 1819, where both a and b	AA701379, F06989, AA148617, AW044004, R21296,
		correspond to the positions of	R44866, AA191290, AA172201, AI970448, AW361154,
		nucleotide residues shown in SEQ ID	AI627401, N42449, AI224491, AA635934, R14008,
		NO:1918, and where b is greater	H05119, R18980, T26664, T16725, F07496, T59139,
		than or equal to a + 14.	AA372447, AA092086, F31653, Z40099, AW271655,
			AA993655, R32993, R46141, AI472512, T59062,
			T26665, Z40560, R32717, AA148756, AA374317,
			AA585413, AA064920, AI917682, AA625242, R32994,
			AW362703, AW372891, AW386147, R25109, R25628,
			R63578, AA828475, R31750, AI468622, AI491710,
			AIS40458, AI814841, AIS70152, AW079699,
			AI499285, AA836253, R40363, AI688854, AI696714,
			AI954475, AI689096, H03560, AI368579, AI357049,
			AI560184, AI469505, AI687295, AA767252,
			AI890654, AI280732, AW083750, AI445877,
			AA923096, AI341690, AI888575, AI697178,
			AI765469, AW075921, R30844, AI702494, AI359787,
			AI633330, AI679261, AI498288, AI890995,
			AI590785, AI623980, AI590755, AC005216, U56252,
			AF102578, AF038847, U67810, A85213, AB015752,
			AF047716, AL137490, AC006314, Z73979, AP000299,
			AF039907, AL049552
1919 HCEYN60	878560	Preferably excluded from the	AI828920, AI866163, AIS81670, AF108139,
		present invention are one or more	AF015770, U94350, T46897, R40801, R49803,
		polynucleotides comprising a	R49845, R40801, R78750, R79059, R81613, H13785,
		nucleotide sequence described by	H13786, H26105, H49579, H49658, H61321, H61596,
		the general formula of a-b, where a	H62359, N23682, AA002170, AA039225, AA045879,
		is any integer between 1 to 563 of	AA045878, AA053472, AA083358, AA146754,
		SEQ ID NO:1919, b is an integer of	AA171927, AA173260, AA181967, AA186968,
		15 to 577, where both a and b	AA215430, AA215576, AA494375, AA554350,
		correspond to the positions of	AA565187, AA582635, AA594327, AA612625,
		nucleotide residues shown in SEQ ID	AA878313, AA886926, AA887637, AA908475,
		NO:1919, and where b is greater	AA939096, AI051140, AI083860, AA641276,

			than or equal to a + 14.	AA205608, AA284538, AA411196, AA410243,	96, AA410243,
				AA411096, AA436335, AA478263, AA478319,	63, AA478319,
				AA609270, AA628990, Z19827, AA719345, AA769770,	, AA719345, AA769770,
				AA776741, AI018379, D19640, AI305530, AI307824,	, AI305530, AI307824,
				AI344950, AI349732, AI363496, AI368551,	96, AI368551,
				AI434470, AI561271, AI498585, AI423077,	85, AI423077,
	-	-		AI147393, AI167340, AI224833, AI174303,	33, AII74303,
				AI187983, AI659839	
1920	HWHGF46	878800	Preferably excluded from the	AA814195, AI457718, AI085388, AI765650,	88, AI765650,
			present invention are one or more	AA633558, AI379449, AI476182, AI419034,	82, AI419034,
			polynucleotides comprising a	AI037888, AI148797, AA028963, AW009541,	63, AW009541,
			nucleotide sequence described by	AW051402, W67841, AA687642, AA934498, AI079438,	, AA934498, AI079438,
			the general formula of a-b, where a	W67782, AA035136, AI016426, AI304821, AA085457,	, AI304821, AA085457,
			is any integer between 1 to 2101 of	AI808210, AA098932, AI685969, W39585, AI685970,	69, W39585, AI685970,
			SEQ ID NO:1920, b is an integer of	AI038819, AI219571, AI580447, AA485877,	47, AA485877,
			15 to 2115, where both a and b	AA487780, W42434, AA594455, AI865081, AI085147,	, AI865081, AI085147,
	•		correspond to the positions of	AI202241, AA632996, AA035135, D45612, AA991990,	35, D45612, AA991990,
			nucleotide residues shown in SEQ ID	AC006261, AL031985, AL021154, AC006449	.54, AC006449,
			NO:1920, and where b is greater	AL008718, Z95329, AC004950	Z95329, AC004950, AC002349, AL031846,
			than or equal to a + 14.	AF146367	
1921	HPMSF50	878909	Preferably excluded from the	AL045860, N58437, AI525782, AI688578, AA007479,	, AI688578, AA007479,
			present invention are one or more	AA310929, AA906018, N41678, AW084721, N59420,	I, AW084721, N59420,
			polynucleotides comprising a	AA007400, AA234496, AI810048, AI394367,	148, AI394367,
			nucleotide sequence described by	AW273848, AI400139, AI659487, AI168584,	87, AI168584,
			the general formula of a-b, where a	AW247506, AW245091, AA232997, AW148684,	197, AW148684,
			is any integer between 1 to 3939 of	AA235036, AW242278, AA236538, AA206161, N78027,	38, AA206161, N78027,
			SEQ ID NO:1921, b is an integer of	AA630558, AI128065, N76782, AW297277, AA497021,	, AW297277, AA497021,
			15 to 3953, where both a and b	AA877580, AA931472, AA351722, AA232945,	'22, AA232945,
			correspond to the positions of	AI208004, AA885392, N71533, H09450, AA554688,	1, H09450, AA554688,
			nucleotide residues shown in SEQ ID	AA983994, AI221004, AA235204, H54147, AA460203,	04, H54147, AA460203,
			NO:1921, and where b is greater	AA985683, AI681824, N22166, AA889639, AA668373,	i, AA889639, AA668373,
			than or equal to a + 14.	H81138, AA678603, R97728, AW291709, AI346634,	AW291709, AI346634,
				AA337087, T56721, C14300, AA310347, AA359522,	AA310347, AA359522,
				AI032752, AA705700, R68352, R10225, C14263,	!, R10225, C14263,
				T40018, H81043, T56722, C14304, R68562,	14304, R68562,
				AI369399, R96796, AA333514, AA459932, H57429,	L, AA459932, H57429,

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AI758833, AA836349, C14291, AA902529, C14302,	32107,	AA665646, R12861, AA384438, AA682859, AI904934,		104,	648,	.155,	230,	083,	1953,	,208,	W20002, AW074007, AI627187, AW242075,	AI014764, AI091649, AA041468, W55944,	273,	.587,	494,	673,	557,	R19495, AA662403, AW085967, T75472,	N78681, N32970, AA176087, AI125767,	571,	7225, F13229,	611,	H20558,	T48533, AI350433, AW243606, AI784415, AA063203,	D82747, W26208, AA471277, AA903068, AI680414,	AL038664, AA664940, AA897635, AI535982, D31438,	AI419708, AW275741, AA386197, R62151, AI051237,	710830,	AI695489, AA343846, R43842, AA334321, AA093703,	D80027,	, T28780,	T27330, F24108, AI611841, AA176086, AW375368,	2131,	AW021288, AA329440, D81428, AA344329, AA039822,	
AA90252	792, AIO	AA68285		2, AI052	8, AI678	7, AI811	7, AI004	2, AI027	2, AI145	0, AI625	AI62718	9, AA041	4, AI092	3, AI521	7, AI372	8, AA04C	4, AI952	AW08596	A176087,	S, AW090	8, AI547	5, AA97	244196,	AI7844]	A903068,	5, AI53	7, R6215	50661, 1	AA33432	240172,	W15187,	A176086,	.0, AW293	AA34433	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
C14291,	732, N93	A384438,		AI68854	AW02932	AI97207	AI37294	AI08436	AI74433	AI19918	W074007,	AI09164	AI00548	AI52442	A127057	AW26313	A153983	A662403,	32970, A	AA30036	A168026	AA38614	D31244,	W243606,	71277, A	AA89763	AA38619	290, AI2	R43842,	A332748,	A095572,	11841, #	AW16301	D81428,	A 131 A O E O
AA836349,	9495, R10	R12861, A	D80004	AI267318,	AI818589, AW029328, AI678648,	AIS66340, AI972077, AI811155,	AI089502, AI372947, AI004230,	AL119666, AI084362, AI027083,	AA621070, AI744332, AI149953,	AI150745, AI199180, AI625208,	W20002, A	AI014764,	AW151070, AI005484, AI092273,	AI689545, AI524423, AI521587,	AI689268, AI270577, AI372494,	AI538583, AW263138, AA040673,	AW316596, AI539834, AI952557	R19495, A	N78681, N	AI074758,	AI372493,	AA814692,	AIS36066,	350433, A	6208, AA4	AA664940,	AW275741,	8043, R39	AA343846,	845417, A	524545, A	4108, AI6	AA323934,	AA329440,	TANDOCKIA.
AI758833,	C14277, D59495, R10732, N93792, AI032107,	AA665646,	AI904935, D80004	AI826538, AI267318, AI688542, AI052104,	AI376453,	AW192514,	AI936746,	AI354532,	AI691080,			AW130451,	AI445868,						AA808860,	AA740389, AI074758, AA300365, AW090571	AA894651, AI372493, AI680268, AI547225,	AA383093, AA814692, AA386145, AA970611	AA302328, AI536066, D31244, Z44196, H20558,	T48533, AI	D82747, W2	AL038664,	AI419708,	R62259, W28043, R39290, AI250661, F10830,	AI695489,	D56184, AA845417, AA332748, Z40172, D80027,	R38429, AI524545, AA095572, W15187, T28780,	T27330, F2	AI521566, AA323934, AW163010, AW292131,	AW021288,	SICOLINE FORSES ASSESSMENT FECSFORE
				-	present invention are one or more	polynucleotides comprising a	nucleotide sequence described by	the general formula of a-b, where a	is any integer between 1 to 1978 of	SEQ ID NO:1922, b is an integer of	15 to 1992, where both a and b	correspond to the positions of	nucleotide residues shown in SEQ ID	NO:1922, and where b is greater	than or equal to a + 14.	•																			
	_			878917																											_				
				HTWEA61																															
				1922																															

			the general formula of a-b, where a is any integer between 1 to 3897 of	AI088798, 1	AI088798, AI123932, AI348513, AA916423, AI346237, AI697840, AI346773, AI627270,	348513,	AA916423, A1827270,
			SEQ ID NO:1925, b is an integer of	AI763317, A	AI763317, AI763320, AA609447, AA024428,	609447,	AA024428,
			15 to 3911, where both a and b	AA948406, 1	AA948406, AW149724, AI435604, AA946618	435604,	AA946618,
	-		correspond to the positions of	AI950301, }	W149541, R3	6320, AI	AI950301, AW149541, R36320, AI923233, AI860454,
			nucleotide residues shown in SEQ ID	AI814488, 1	A232203, H4	3798, AW	AI814488, AA232203, H43798, AW374530, F11803,
			NO:1925, and where b is greater	F06514, AW.	131707, AI28	5224, 'AA	F06514, AW131707, AI285224, AA457235, R88044,
		_	than or equal to a + 14.	AW013905, 1	123601, N513	57, AA56	AW013905, H23601, N51357, AA568172, Z43390,
				AA758706, 1	AI927091, Z3	9461, AA	AA758706, AI927091, Z39461, AA936791, H23640,
		_		H43806, AA.	364902, AI80	2791, AA	H43806, AA364902, AI802791, AA864755, T33777,
	-	_		F02788, H4:	F02788, H42258, F09452, AA583801, T65604,	, AA5838	101, T65604,
				R43369, T6	R43369, T65538, H40427, AA336254, W94547,	, AA3362	154, W94547,
				AA416590, 1	344402, N566	04, AWOO	AA416590, R44402, N56604, AW004746, R19614,
				AA580399, 1	478003, AA46	3368, AW	AA580399, W78003, AA463368, AW293983, AW374487,
				AA513346, 1	V29649, AA83	7760, AA	AA513346, N29649, AA837760, AA024429, AI695172,
_				R17652, AW	148962, AA23	2743, AA	R17652, AW448962, AA232743, AA973192, AA652557,
				AA463872, ;	1A327631, AA	470625,	AA463872, AA327631, AA470625, R49252, AA773793,
				AA351733, 1	479462, AA75	7309, XB	AA351733, W79462, AA757309, X85664, AA480653,
				R65673, AA	719939, XB56	65, AI97	R65673, AA719939, X85665, AI972788, AI972806,
				AA933622,	AA933622, AA916725, AW006745, AL137343	006745,	AL137343
1926	HHFJJ61	879386	Preferably excluded from the	R93802, AA	130402, H079	60, AW25	R93802, AA130402, H07960, AW250644, H85944,
			present invention are one or more	R85969, AA	395215, AA03	6855, AA	R85969, AA095215, AA036855, AA215398, AA308813,
			polynucleotides comprising a	AW250378,	AW250378, AA324032, AF161516, AF152097	161516,	AF152097
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 1027 of				
			SEQ ID NO:1926, b is an integer of				
			15 to 1041, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1926, and where b is greater				
			than or equal to a + 14.				
1927	H2CAA49	879484	Preferably excluded from the	AI279876,	AI279876, AI539769, AA876127, AI963800,	876127,	AI963800,
			present invention are one or more	AA206425,	AA206425, AI969470, AI951966, AA459503,	.921966,	AA459503,
			polynucleotides comprising a	AA778294,	AA778294, AA639198, AA446426, AI334209,	1446426,	AI334209,
			nucleotide sequence described by	AI150191,	AI150191, AI281280, AW149760, AA446118,	1149760,	AA446118,

	the general formula of a-b, where a	AA459274, AA236997, AI587101, AA946837,
	is any integer between 1 to 2296 of	AI922323, AI198839, AA568602, AA777025,
	SEQ ID NO:1927, b is an integer of	AW376909, AI127770, AI139373, AI753243,
	15 to 2310, where both a and b	AA789258, N95643, AI754062, AA236574, AI140786,
	correspond to the positions of	C75603, AA075484, AA251521, AA587266, AW439362,
	nucleotide residues shown in SEQ ID	AL121103, AA213367, AA837311, AI187231,
	NO:1927, and where b is greater	AA227539, AI344110, H67810, W95535, AI400951,
	than or equal to a + 14.	T65536, AA872668, AI192986, C17463, AI859211,
_		AA470471, T17222, AW192135, AA075621, AA506763,
		AW139044, AI913866, AA192466, AA165156,
		AI826398, AA678954, AI271344, AA113939, C05669,
_		AA137249, H17790, F11801, AA164768, C75565,
		R89384, T16445, T69722, N66040, C18698, H59003,
_		AA503343, AA339152, AI025443, D81644, R78076,
	_	H58956, D60375, F06655, H58600, AAS14607,
		H02142, AA164700, AA055768, AA306967, T70379,
		AI568159, C21496, W95420, H68082, AI572235,
		AA382754, AA989472, T35523, H02038, T65602,
		AA236620, AW363691, AA142866, R01641, F09450,
		AA524392, T85647, Z39669, H17791, H58601,
		AA382619, T84903, AW303874, AA365866, T97378,
		AA165228, AA838767, AA165229, R42323, AI025112,
_		AW029182, AA865982, T91320, C00668, T99684,
		T82109, T39127, AA471242, R16395, T67084,
		Z21083, T39128, R42337, AW390645, R01549,
		H77482, R16380, AA937248, AA199583, AA528463,
_		T97267, AW005487, AA586445, AA084485, U90736,
		AA934719, AA327356, T87388, AI826239, AA137250,
		AW385409,
		AW196067,
		AI919084,
		AI888732, AI358508, AI469656, AI291994,
		AI275085, AI249798, AA552670, AA565996,
		AI040152, AI242802, AA884931, AI378681,

				AI025266,	AI025266, AI434099, AA533047, AW272720,	AA533047,	AW272720,	
				AI801054,	AI801054, AI888914, AI735767, AW304001,	AI735767,	AW304001,	
				A1445913,	A1436796, AW190856,	AW190856,	AI921153,	
				AI380637,	AI888294,	AI634717,		
				AI815198,	AI805627,	AI932444,	AW073291,	
				AI891014,	AA425142,	AA622524,	H67122, AI916480,	916480,
				AI146786,	AA316874,	AI678847,	AA315049,	
				AI817063,	AA573742,	AW152548,	AW151674,	
				AI610106,	AI675865,	AW152169,	AI675714,	
				AW027843,	AI475938,	AI685830,	AA582017,	
				A1473626,	AW381550,	AI445130,	AI800451,	
				AI800431,	AI972701,	AI678427,	AI801784,	
				AI582452,	AI867585,	AI972499,	AI720013,	
				AI278406,	AI277266,	AI082505, AW191880	AW191880,	
				AI537173,	AI473553,	AI925030, AI559391	AI559391,	_
				AI471336,	AF053641,	U33286, A	U33286, AF038452, AF053642,	053642,
				AF053650,	AF053651,	AF038451, AF053640	AF053640,	
				AF007791,	AF088867,	AA570120		
1928	HCRNW08	565628	Preferably excluded from the	AA192153				
			present invention are one or more					
_			polynucleotides comprising a					
		_	nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 407 of					
			SEQ ID NO:1928, b is an integer of					
			15 to 421, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1928, and where b is greater					
			than or equal to a + 14.					
1929	HNTD129	199648	Preferably excluded from the	AA555115,	AW083142,	AW383992,	AI819977,	
			present invention are one or more	AI818981,	AW302146,	AI357211,	AA970333,	
			polynucleotides comprising a	AA565308,	AW391496,	AA809752,	AW391496, AA809752, AA043134,	C18608,
			nucleotide sequence described by	AA548230,	AA565317,	AA565317, AI352620, AA554155	AASS4155,	
			the general formula of a-b, where a	AA279358,	AA279358, AW392424, AA043611, AI433904	AA043611,	AI433904,	
			is any integer between 1 to 1269 of	AA767874,		F33509, A	AA370804, F33509, AW370978, AI500136,	500136,

			SEQ ID NO:1929, b is an integer of	AA360902,	AA279306,	AA370803,	AA360902, AA279306, AA370803, AC004677, AL078630	18630
			15 to 1283, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1929, and where b is greater					
			than or equal to a + 14.					
1930	HCRNM29	879886	Preferably excluded from the	AA040621,	R64534, A	A811265, A1	AA040621, R64534, AA811265, AI582161, AA132065,	,590
			present invention are one or more	AI222332,	AA040620,	AW001618,	AI222332, AA040620, AW001618, N40203, AI796277	177
			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 748 of					
			SEQ ID NO:1930, b is an integer of					
			15 to 762, where both a and b					
			correspond to the positions of					_
			nucleotide residues shown in SEO ID					
_			NO.1930 and where h is greater					
			than or equal to a ± 14					_
1031	HTPAM76	880071	Dreferably excluded from the	AW387764	AW387764 AW387814	AW387802	AW187787	T
:		•				100000000000000000000000000000000000000	0.000	
			present invention are one or more	AM38/847,	AIBBBSBb,	AM387847, AIBBBSB6, AM387804, AAIS6240,	AA156240,	
			polynucleotides comprising a	AA156243,	AA115637,	AA156243, AA115637, AW388637,	AW387768,	
			nucleotide sequence described by	AW073692,	AW387860,	AW073692, AW387860, AI828610, AA447697,	AA447697,	
	_		the general formula of a-b, where a	AW078652,	AA156747,	AW078652, AA156747, AW387867,	AA115638,	
			is any integer between 1 to 1619 of	AW387851,	AA147510,	AW387851, AA147510, AW387845,	AA147381,	
			SEQ ID NO:1931, b is an integer of	AI671236,	AA627367,	AI671236, AA627367, AI302358,		
			15 to 1633, where both a and b	AI589344,	AA126967,	AI589344, AA126967, AW194339,	AA552339,	
			correspond to the positions of	AW274844,	AA115437,	AW274844, AA115437, AA631614,		
			nucleotide residues shown in SEQ ID	AI336522,	AI610638,	AI336522, AI610638, AA464766,	AA127119,	
			NO:1931, and where b is greater	AA148915,	AA148915, AI801445,	AI888444,	AA486631,	
			than or equal to a + 14.	AA481927,	AA481927, AI926413,	AW058286,	AA468787,	
				AA156919,	AI888332,			
				AA129137,	AA129137, AA911832,	AA480064,		
				AI446210,	AA129136,		T93584, AW338675,	675,
				AA486537,	AA447849,	AA486537, AA447849, AA373191, AI739001,	AI739001,	
				AI536744,	AA300698,	AI926870,	AI536744, AA300698, AI926870, T79051, AW378720,	720,
				T70156. A	W387878, A	W150592. A	T70156, AW387878, AW150592, AI805203, AI678275,	275.

				AA147111, AA148916, AW361440, AA482318,
				AI224997, AW361449, T92156, AA295139, AI932801,
				D45563, AI933650, AW351860, AI361188, AA588527,
				AW388036, AW382525, AW382549, AA078254,
				AA077989, AA078672, AA078071, H25470, N43950,
				H85417, AI990093, H82389, AI262918, N27467,
				H83634, N27592, AA653768, W20391, AA481039,
				AC007688, AC004467, M60322, X52046, AL049610,
				AL008706, Z83745, AF084363, AF109905, AC003061,
				U56708, AL050318, M96253, AF035927, X92380,
				U59932, AF010237, Y17262, Y17265, U79975,
				U70436, AC002073, AF120983, AC005855, U69273
1932	HCHOB95	880074	Preferably excluded from the	AA919098, AI829915, AI373763, AI769890,
			present invention are one or more	AI678073, AI186242, AI040323, AI096782,
			polynuclectides comprising a	AW182824, AA877237, AI184171, AA843884,
			nucleotide sequence described by	AA496249, AI684689, AA402540, W72754, AA099242,
			the general formula of a-b, where a	AA461621, AI688056, AA469089, AA476703,
			is any integer between 1 to 1112 of	AA044210, AI312919, AA430750, AW340236,
			SEQ ID NO:1932, b is an integer of	AI129433, AI332742, AI088802, AI203956,
			15 to 1126, where both a and b	AA577035, AI375761, AI335585, AA862361,
			correspond to the positions of	AA044080, AI658509, AA433943, AA991263,
			nucleotide residues shown in SEQ ID	AI658499, AI027869,
			NO:1932, and where b is greater	AI376235, AA496250, AI271959, N40335, AI806274,
			than or equal to a + 14.	AA449309, AI808707, AA933843, AI184973,
				AA029128, AA287518, AI445857, AA316127,
				AI300822, N34296, AA206029, AI275858, AA133156,
				AI086991, AA973014, AA494516, AI146496,
				AI351577, AA524704, AA972426, W49681, AA143280,
				AA156594, AA989508, AA744580, AW296210, N27520,
				AA148505, AA523848, N50728, AA150804, W77953,
				AA099144, W49680, AA770602, N91132, N62734,
				R77333, W20508, AA150700, N50625, AA442714,
				AA910801, AA917918, AI027396, AI218157,
				AA927254, AI240835, AA804816, AA143389,
		-		AA321494, AA639009, AI971188, AA373176, N55054,
				AA604424, AA860473, AI915977, AA665452,

				AI783651 AA95378	AI783651, AA953781, AA291501, AA668861,
				AA029999, AA64948	AA029999, AA649486, AA652093, AW132021,
				AA662005, AA36423	AA662005, AA364232, AI654194, N55669, AA883709,
_				AA143334, AA37226	AA143334, AA372265, AA026564, N78458, AI472423,
				AA026472, AA31384	AA026472, AA313840, N55383, AF112214, D17244,
				D17071, AA706862	
1933	HLSAA96	880418	Preferably excluded from the	AA429586, AW44487	AA429586, AW444874, AI920970, AA604806,
			present invention are one or more	AA431746, AA65170	AA431746, AA651708, AA847822, AA746501,
			polynucleotides comprising a	AI051249, AI00548	AI051249, AI005487, AI368709, AI417856,
			nucleotide sequence described by	AA009824; H06206,	AA009824; H06206, AW150601, H08319, AA830175,
			the general formula of a-b, where a	AA809393, AA76542	AA809393, AA765426, AW337780, AI435979,
			is any integer between 1 to 1783 of	AA421703, AA50864	AA421703, AA508643, AA282694, H06207, T78170,
			SEQ ID NO:1933, b is an integer of	R44287, R59778, A	R44287, R59778, AA768684, AI193720, AW235814,
			15 to 1797, where both a and b	AA993048, R61320,	AA993048, R61320, T09292, AA503026, AA301325,
			correspond to the positions of	AW084853, H08221,	AW084853, H08221, T84812, T78009, AA340198,
			nucleotide residues shown in SEQ ID	AA009714, R23537,	AA009714, R23537, AI933451, AA649008, AA322332,
			NO:1933, and where b is greater	AC004890	
			than or equal to a + 14.		
1934	HBBMA61	880578	Preferably excluded from the	AA934705, AI37092	AA934705, AI370920, AI744886, W86237, AA609163,
			present invention are one or more	AI082256, AI14043	AI082256, AI140436, N53361, AA968467, AI216727,
			polynucleotides comprising a	N62199, AI143325,	N62199, AI143325, AI015198, AW236133, AA732867,
			nucleotide sequence described by	AW341974, AI59109	AW341974, AI591092, AI141509, AA002163, N36129,
			the general formula of a-b, where a	R45071, R07479, Z	R45071, R07479, Z38172, AA059224, T33713,
			is any integer between 1 to 323 of	AI469204, D11576,	AI469204, D11576, D11575, Z78385, N64142,
			SEQ ID NO:1934, b is an integer of	T31044, AW243169,	T31044, AW243169, AA844013, AA417247, AL119457,
			15 to 337, where both a and b	AW392670, AL11932	AW392670, AL119324, AL119443, U46351, AL119497,
			correspond to the positions of	U46350, AL119483,	U46350, AL119483, AL119319, U46347, AL119399,
			nucleotide residues shown in SEQ ID	AL119484, AL11939	AL119484, AL119391, AL119418, Z99396, AL134531,
			NO:1934, and where b is greater	AW372827, AW38439	AW372827, AW384394, AW363220, AL134533,
		_	than or equal to a + 14.	AL119363, AL11935	AL119363, AL119355, U46349, AL119522, U46341,
				AL119439, AL11944	AL119439, AL119444, AL134538, AL119341,
				AL037205, AL11940	AL037205, AL119401, U46346, AL119335, AL119396,
				AL119496, AL13492	AL119496, AL134920, U46345, AF090190, AB026436,
				AR060234, AR06648	AR060234, AR066494, AR054110, A81671, AR069079
1935	HE8QG48	880649	Preferably excluded from the	AA984117, AW16362	AA984117, AW163623, AA311680, AA418057,
	,		present invention are one or more	AI144311, AL12030	AI144311, AL120308, AA056148, AA187561,

			polynucleotides comprising a	AF072813, W01018, AA992009, AA325639, W19986,
			nucleotide sequence described by	AA776635, T30663, T33734, AI878939, AA256403,
			the general formula of a-b, where a	D54700, AA405294, AA134519, Z43583, AA227076,
			is any integer between 1 to 1316 of	F06381, AW204252, AA430244, AA938909, H30186,
			SEQ ID NO:1935, b is an integer of	D58629, R52851, N98255, AA161199, AA100159,
			15 to 1330, where both a and b	AA114264, H43926, R22746, R34517, AA233577,
		_	correspond to the positions of	AA081447, AA324916, AW138505, AA157365,
			nucleotide residues shown in SEQ ID	AA324268, H84964, AA019377, AA232373, H42692,
			NO:1935, and where b is greater	W28863, N83234, AA233594, R17978, W81009,
			than or equal to a + 14.	W99386, T34516, T35956, AA214355, AA324917,
				N42109, AA078753, AA010322, T32868, AW138540,
				AA094192, T32010, T31224, Z39649, T87432,
				R22276, AA359082, H46389, R99404, T10889,
				H39131, R16493, AA227062, AA984677, T05775,
				AI755053, AA362885, AA354497, AA918044, T34825,
				AA417901, AA134510, AA643681, AA579642, T34772,
				AI147468, AI336174, AW374188, H19354, AA357382,
				N55823, AA482456, AW273035, AA161200, AI911850,
				AW363734, AA430035, AA663961, AA707053,
				AA565772, AI276668, AA575906, AW337856,
				AA033587, AA256297, AI308794, AA587048,
				AI354787, R99312, AA626391, AF119297, AF059524,
				AR028523, AF059529, AF059525, AF059527,
				AF059526, U25265, AF059528
1936	HHENW13	880694	Preferably excluded from the	AI937291, AI991002, AW087339, AA464410, W37647,
			present invention are one or more	AI342395, AA237069, AA581972, AA594539,
			polynucleotides comprising a	AW204762, AW276040, AI125339, AA167314,
			nucleotide sequence described by	AI367075, AI803380, AA313202, AI264016,
			the general formula of a-b, where a	AA236870, AW167731, AI083960, AI991293,
			is any integer between 1 to 664 of	AI038896, AW205414, AI460022, AA694199,
			SEQ ID NO:1936, b is an integer of	AI610383, AI707649, AI277698, R53610, AA305224,
			15 to 678, where both a and b	AW079550, AA430117, AA577381, AI074864, N23143,
			correspond to the positions of	AA860618, AI801446, AA134966, AA724229, W32042,
			nucleotide residues shown in SEQ ID	AI151318, W16866, R50528, R55254, AA135047,
			NO:1936, and where b is greater	AA255556, AI189581, N32722, AA455580, AI244226,
			than or equal to a + 14.	AL040668, W37383, AA844913, W93357, R50622,

				N79251 AW271218 ABGORSON AT214414 DE1941
				W31353, AI669222, T32309, AI572502, T34020,
				AA456077, T30416, AA477701, AA477700, AA989005,
				N22935, W93445, AA026749, AA166984, T08224,
				AA883332, AA033670, AA255572, W03768, W31880,
1937	HE8SB64	880747	Preferably excluded from the	AI378788, AW070902, AI435602, AW138866,
			present invention are one or more	AA147037, AW383889, AI417256, AI420312,
			polynucleotides comprising a	AW383890, AI565996, AI499115, AW383902, N21309,
			nucleotide sequence described by	AA147128, AI767271, AA885289, AI750960,
			the general formula of a-b, where a	AI276772, AW102917, N46066, AI290500, H99543,
			is any integer between 1 to 2414 of	AI302412, AI246663, AL046164, AI242761, N31244,
			SEQ ID NO:1937, b is an integer of	AA233072, AA225024, H84766, H80004, H99544,
			15 to 2428, where both a and b	M91216, H80005, H85099, AA226631, AI436734,
			correspond to the positions of	AA460989, D29810
			nucleotide residues shown in SEQ ID	
			NO:1937, and where b is greater	
			than or equal to a + 14.	
1938	HKAEN78	126088	Preferably excluded from the	AA306924, T73855, T83294, T85637
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 908 of	
			SEQ ID NO:1938, b is an integer of	
			15 to 922, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1938, and where b is greater	
			than or equal to a + 14.	
1939	HOSML44	880994	Preferably excluded from the	AA402002, AA522719, AA905625, AI091612,
			present invention are one or more	AI418276, AI560743, AW130435, AI992293,
			polynucleotides comprising a	AI800639, AI204546, AA858118, AA813011,
			nucleotide sequence described by	AI291876, AI703226, AW051814, AA846821, W19987,
			the general formula of a-b, where a	AI362691, AI356940, AI149942, AW008254, N55455,
			is any integer between 1 to 742 of	T79403, AI221349, AA975506, W96084, AW020847,

			SEQ ID NO:1939, b is an integer of 15 to 756, where both a and b	AI240036, AI560812, AI300180, AI089271, H54573, AA505078, AA701943, AA232733, T90553, R94479,
			correspond to the positions of	H38643, AW026456, AA768615, AA854918, T86974,
			nucleotide residues shown in SEQ ID NO:1939, and where b is greater	W96085, R08289, R94069, H60026, AI685154, AA970179, AA885640, AW261910, AI281256.
			than or equal to a + 14.	AW028863, AA883234, N80142, D52425, AA865830,
				N22716, AA906638, AA995348, AA282083, H95085,
				AA765503, AI240974, AA738193, AI207741,
				AA443008, N35116, H54683, AW128861, N23206,
				AA364712, AA402136, H96792, AI906874, AI025840,
				A1346239, D5995/, H24210, H95653, N20084,
				H38653, N29785, H94256, AA063258, A1359626, H96667 N90414 T56966 R20754 B3184679
	-			AI027068, AI370536, AI520954, T78586, R20753,
				D60276, AI362623, D80608, R54942, AI962075,
				Z28499, H53597, H18631, H91182, H48906,
				AA427748, AA301182, AI985444, AA972097,
				AA894582, AA609747, AI804799, D59884, AA492083,
				H54445, H67369, T27025, H96239, N79026,
				AA761468, AA972438, AA970691, AA235389,
				AA236543, AA815412, AA427749, F10605, H73921,
				AI923477, H61736, R89812, AI205301, AA247535,
				H69003, C01267, N56269, A1371632, A1345661,
			-	AA203698, AI252251, H96773, AI609846, AI349670,
				AA319076, N83178, AB018288
1940	HTEEZ62	881052	Preferably excluded from the	AI621215, AI950251, AI564193, AA308190,
			present invention are one or more	AW271945, AI560075, AI581089, AI561182,
			polynucleotides comprising a	AA603342, AL135260, AW338106, AA505767,
			nucleotide sequence described by	AA888065, AI625041, AI909320, AI357213,
			the general formula of a-b, where a	AA962704, AI911938, H29506, AA353956, AI928495,
			is any integer between 1 to 1870 of	AA211037, AA581961, AI750915, AA516054,
			SEQ ID NO:1940, b is an integer of	AI750267, AA249644, AA211203, AI493165,
			15 to 1884, where both a and b	AW389552, AA104012, AI905441, AI887429,
			correspond to the positions of	AI498683, AI453000, AW362831, AA622090,
			nucleotide residues shown in SEQ ID	AA182761, AI739109, AA182641, 242725, AA638984,
			NO:1940, and where b is greater	AW389580, T48739, D19877, AA486796, AI697765,

_			than or equal to a + 14.	AI300924,	AI873826,	N41871, A	AI300924, AI873826, N41871, AB020657, AF161553,	F161553,
				AJ012449,	AJ012449, AL078644, AR018872, AL137640	AR018872,	AL137640	
1941 H	HOAAH52	881074	Preferably excluded from the	AI638708,	AI638708, AW370588, AA604391, AI638200	AA604391,	AI638200,	
			present invention are one or more	AL046090,	AL046090, AI052244, AW055067, AW055206,	AW055067,	AW055206,	
			polynucleotides comprising a	AA224549,	AW375847,	AI679109,	AW375847, AI679109, AL042378,	
_			nucleotide sequence described by	AI621228,	AW055056,	AI633697,	AW055056, AI633697, AW131512,	
			the general formula of a-b, where a	AI858264,	AI652500,	AA418385,	AI652500, AA418385, AW007559,	
	-	_	is any integer between 1 to 2717 of	AI347910,	AA633193,	AI417517,	AI347910, AA633193, AI417517, AA418455,	
		_	SEQ ID NO:1941, b is an integer of	AL039518,	AI379655,	AI735776,	AI379655, AI735776, AI580118,	
			15 to 2731, where both a and b	AI611056,	AI767569,	AI332364,	AI767569, AI332364, AW006925,	
			correspond to the positions of	AA431974,	AI566498,	AA458620,	AI566498, AA458620, AI333573,	R93775,
			nucleotide residues shown in SEQ ID	AA633310,	AI804397,	AW190968,	AA633310, AI804397, AW190968, AI304495,	
			NO:1941, and where b is greater	AW025852,	AI077447,	AI278898,	AI077447, AI278898, AA854076,	
			than or equal to a + 14.	AA400042,	AI081935,	H48411, 7	AI081935, H48411, AI061256, AI346015,	1346015,
				AI042287,	AI042287, AI200205, AI298915, AI150973	AI298915,	, AI150973,	
				AI400748,	AI400748, AA705014, AI921341, AI206630	AI921341,	, AI206630,	
				AA258351,	AI493294,	AA418302,	AA258351, AI493294, AA418302, W80672, AI378534,	I378534,
				AI367993,		1093517, 7	W80671, AI093517, AI445930, AI307183,	1307183,
				AA467763,	AA467763, AA418344, AA401498, AI267890	AA401498,	, AI267890,	
				AI953454,	AI271612,	N72284, 1	AI953454, AI271612, N72284, AA937447, AA469431,	VA469431,
				AI361498,	AI208143,	AA725419,	AI361498, AI208143, AA725419, AA296397,	
_				AA507583,	AA150850,	AI207267,	AA507583, AA150850, AI207267, AA865832, H18576,	H18576,
				AI056172,	W60546, H	13134, AI	AI056172, W60546, H13134, AI754190, AW338131,	38131,
				AA227538,	AI569024,	R69127, 1	AA227538, AI569024, R69127, AA911897, AI028185,	AI028185,
				N73581, R	16N '66508	387, H631	N73581, R80599, N91387, H63197, AA232897,	, 76
				AI640853,	AA150542,	243515,)	AI640853, AA150542, Z43515, AI358148, AA921728,	AA921728,
				N67115, A	A132871, A	1288107, 1	N67115, AA132871, AI288107, AA400712, AA742907,	A742907,
_				R80307, A	I290519, A	1952567, 1	R80307, AI290519, AI952567, R11774, R68082,	3082,
				H60801, H	60800, R69	246, T679(H60801, H60800, R69246, T67909, T64951,	
				AI868438,	T32394, A	A936201, 1	AI868438, T32394, AA936201, AI537951, AW235108,	1W235108,
				AA232896,	N70399, A.	A342399,	AA232896, N70399, AA342399, T69432, H82789,	2789,
				AA360349,	AI263563,	H63112,	AA360349, AI263563, H63112, AA937988, R80600,	380600,
				AI580686,	AA857394,	AI678572	AI580686, AA857394, AI678572, H18469, W04986,	404986,
				AA321926,	AA610546,	H57599,	AA321926, AA610546, H57599, R80203, R91273,	1273,
				H57600, T	'68057, H82	690, N753	H57600, T68057, H82690, N75387, AA852406,	96,
_				AL039517,	T52512, A	L043057,	AL039517, T52512, AL043057, R93722, N76405,	5405,

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				AL044808, F	ALO44808, F04916, R98833, AI474154, AI478281,
				AI934138, I	AI934138, T96021, AA133024, Z43958, AI679684,
				T54446, AA3	T54446, AA371002, AL045017, R68119, T16415,
				AW271181, A	AW271181, AA403235, AA676809, T70487, AA626926,
				R37695, F02	R37695, F02870, H51082, R97530, AW389296,
				AA247471, A	AA247471, AI932299, AW376391, Z44495, AW371130,
				R82536, AIS	R82536, AI933296, AL044806, AL043245, AI672519,
				A1133627, D87438	87438
1942	HSDXB50	881104	Preferably excluded from the	AI816760, A	AI816760, AI346903, AI189171, AI860301,
			present invention are one or more	AA284405, A	AA284405, AI340328, AA485290, AW028742,
			polynucleotides comprising a	AW073309, A	AW073309, AI539128, AI749857, AA910895, N77735,
			nucleotide sequence described by	AI805446, A	AI805446, AI422690, AA868655, AA046578,
			the general formula of a-b, where a	AI038920, 1	AI038920, T32229, AI936194, AA742438, AW001568,
			is any integer between 1 to 735 of	AA657742, P	AA657742, AW170086, W25066, AA296692, AI077505,
			SEQ ID NO:1942, b is an integer of	AI375014, 1	AI375014, T95167, AI126547, W16677, AI370853,
			15 to 749, where both a and b	AI348244, N	AI348244, N36073, N26915, AI346077, AI748952,
			correspond to the positions of	T63086, AI4	T63086, AI432379, AA127847, AW073849, W01205,
			nucleotide residues shown in SEQ ID	AI082289, W	AI082289, W31500, N74204, AI753574, AI093341,
			NO:1942, and where b is greater	AI278762, T	T82102, AI246120, AI735203, AW059835,
			than or equal to a + 14.	AA877544, 1	AA877544, AA706829, AI129303, AI361287,
				AW249798, 1	AW249798, AA594759, AA524456, AA542925,
				AI240209, A	AI240209, AA126112, AA934763, AI342601,
				AI052791, #	AI052791, AI857321, AI128632, AI340141,
				AW118892, N	N25202, AA814658, AI041906, D11489,
				AA485295, 3	AA485295, AW002059, AI370689, AA553675,
				AA729483, V	AA729483, W40151, AA482356, AA903651, AA994633,
				AI609301, 1	AI609301, AI459183, AA195893, AW088630,
		_		AI561215, 7	AI561215, AI800091, AW248136, AL050318,
				AF112213, 8	583364
1943	HFKMJ24	881105	Preferably excluded from the	AA742438, 1	AA742438, AI346903, AW170086, AI816760,
			present invention are one or more	AI189171, }	AI189171, AI432379, AI860301, AI340328,
			polynucleotides comprising a	AW028742, 1	AW073309, AI422690, AA161296,
			nucleotide sequence described by	AI126547, 1	AI126547, AI749857, N74204, AA910895, AI129303,
_			the general formula of a-b, where a	AI038920, 1	AI038920, AI246120, AI936194, AI077505,
			is any integer between 1 to 1208 of	AW24979B, 3	AW249798, AA877544, AI735203, AA926687,

		SEQ ID NO:1943, b is an integer of	AA868655, AAS	AA868655, AA542925, AI375014, AA934763,
		15 to 1222, where both a and b	AI128632, AI3	AI128632, AI340141, AW118892, N92840, AI240209,
•		correspond to the positions of	AI348244, AA7	AI348244, AA706829, N25202, AI346077, AI342321,
		nucleotide residues shown in SEQ ID	AI748952, AI857321,	57321, AW002059, AA553675,
	,	NO:1943, and where b is greater	AI052791, AA127847,	27847, AA814658, AI041906,
		than or equal to a + 14.	AA983612, AI6	AI609301, AA994633, AW006650,
			AI400295, AA729483,	29483, AI459183, AA903651,
			AI800091, AIS	AI561215, H09610, AW088630, AI683272,
			AI753574, AI719306,	19306, AI359224, AI278762, T32229,
			AI819003, AI0	AI819003, AI093341, D11489, AI342601, AW300745,
			AI374975, AI3	AI374975, AI346938, AI183409, AI423782,
			AA126006, AA6	AA126006, AA612604, AA161217, AA846503,
			AI284860, AI2	AI284860, AI275160, N80744, H06158, AA844576,
			W16677, AI310	W16677, AI310420, AI539128, AA996156, AA046578,
			AA737921, AI9	AA737921, AI985064, W04601, N58366, AI827968,
			AA719050, N26	AA719050, N26915, AI091923, AI262701, AA524456,
			AI674584, AA8	AI674584, AA873274, AI698929, AA485290,
			AA292533, R99	AA292533, R99586, AI079471, AA806662, AI361287,
			T81787, AI370	T81787, AI370853, W31500, AW193899, AI082289,
			AI805446, AA5	AI805446, AA583430, T58149, H17502, F30305,
			AA594759, W25	AA594759, W25066, AW248136, AA195893, N77735,
			T95072, F3030	T95072, F30309, AA482356, AA657742, AA284405,
			AW059835, AW1	AW059835, AW103745, T95167, R35655, T82102,
			AI370689, AA4	AI370689, AA485295, T23459, AW366963, AA564661,
			T63086, W4015	T63086, W40151, AA484058, AW001568, AA642325,
			AA126112, AA2	AA126112, AA296692, W01205, AA305476, N36073,
			AA192315, AA9	AA192315, AA911901, N79525, AI784438, AW073849,
			AA913441, AA5	AA913441, AA534551, T24804, AI074360, AW193751,
			H90230, AF112	H90230, AF112213, AL050318, S83364, AA689442
1944 HE0QC11	881219	Preferably excluded from the	AI924972, ALO	AI924972, AL046288, AW189048, W89124, AI091620,
		present invention are one or more	AA492579, AA5	AA492579, AA588728, AI439428, AA449355,
_		polynucleotides comprising a	AA634228, AI1	AA634228, AI146362, AA043859, AA581516,
		nucleotide sequence described by	AA507328, AI4	AA507328, AI469226, AA146720, AI056656,
		the general formula of a-b, where a	AA765659, N64	AA765659, N64539, AL046287, AW402025, AA312475,
		is any integer between 1 to 2772 of	AI457992, AWO	AI457992, AW005493, AA292416, AA449614,
		SEQ ID NO:1944, b is an integer of	AA742592, AA4	AA742592, AA465004, AA405756, AA078819,

			15 to 2786, where both a and b	AA613822, N64732, AA405775, AA196964, AA367635,
			correspond to the positions of	AA373433, W88918, AA504065, AA652295, N91745,
			nucleotide residues shown in SEQ ID	T79620, AA996002, F25128; AI364464, AA515314,
			NO:1944, and where b is greater	AA394253, AA078918, AI909748, AA455284, N80334,
			than or equal to a + 14.	AL044772, AA377702, AA742682, AI583136,
				A1907986, A1909746, AA146721, T79705, AI798856,
				AW177744, AA037697, HS5648, AA767252, AA810554,
				AA814521, AI675619, AI872260, AW370721, R32993,
				D78805, D78848, AW078800, AW082532, AW020164,
				AI245304, AI688854, AI492648, AL096741,
				AC004882, AC005529, Z82171
1945	HWMB122	881221	Preferably excluded from the	AI800907, AI949684, AI052333, AW131568,
			present invention are one or more	AA732570, AA769120, AI743959, AI436302,
			polynucleotides comprising a	AW082175, AW273742, AI677956, AA037263,
			nucleotide sequence described by	AA885367, AA761521, AI936106, AI433128,
			the general formula of a-b, where a	AI292313, AI458263, AI687626, AI378687,
			is any integer between 1 to 1469 of	
			SEQ ID NO:1945, b is an integer of	
			15 to 1483, where both a and b	AI077398, AI168640, W89211, W88447, AI566016,
			correspond to the positions of	AL043030, AA836573, AA768422, AA634503,
			nucleotide residues shown in SEQ ID	AI141297, AI539216, AA918633, AI350946,
			NO:1945, and where b is greater	AA825685, AA515491, AA994089, AA609078,
			than or equal to a + 14.	AA761310, AI628981, AI206686, AW105192,
				AA776321, AA676705, AI676082, AA363995, D62240,
				AI094091, AI300249, AI400742, T98450, AI809452,
				N75907, U66469, U66471
1946	HETDL42	882330	Preferably excluded from the	AI344189, AI693945, N91690, AI457192, AW150901,
			present invention are one or more	AI798181, AA503831, AI458569, W86357, W86242,
			polynucleotides comprising a	N92074, T79381, W86600, AI915320, W90710,
			nucleotide sequence described by	R94236, AI282976, R94333, AA470366, T55160,
			the general formula of a-b, where a	H47818, T79811, W01906, N71011, AI702229,
			is any integer between 1 to 1573 of	T54994, AA336878, N68860, AI613011, AI733775,
			SEQ ID NO:1946, b is an integer of	T61655, AA120932, AA579769, H24026, AW170681,
			15 to 1587, where both a and b	AI611475, AI243696, AI523317, T90991, AW148344,
			correspond to the positions of	AA345280, AI908519, AI051595, AA885499, W80464,
			nucleotide residues shown in SEQ ID	AA917596, AI380135, N29558, AI867394, AA250763,

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	ווס: דשים, מוות אוופדב זו דף או במרכז	ALCOSTON ALGOSTON, AMSTOCAS, AMGOSTS,
	than or equal to a + 14.	AW148392, AA453747, H80554, AA453828, AA528253,
_		W80573, AI254217, AW183037, AI419419, AI423034,
_		AI305512, H65206, AA989137, AI559284, AI659077,
		AI935032, AW304485, AI611561, AA483217,
		AW440223, AI073889, T57089, AL046966, AI144070,
		AA962018, AA112330, AA630098, AI419982,
		AA954260, W93927, AW173728, R28013, AA146651,
		AI583416, AA668673, AA191610, F34079, AA703680,
		AA568394, AI053711, AW270496, AA069314,
		AI357477, AL041838, W02028, AA706521, AA664331,
		H89224, AW085628, AI207861, AI253208, AI744801,
		AW014689, AI769492, AI251385, AW271017,
		AI971131, AI053588, F34082, AI493025, AI252712,
		AA931216, AI991553, AI053773, AI311753,
		AI174685, T92433, N53462, AI805022, AA679798,
		AI252858, AI053963, AW086339, AA888155,
		AL135273, AI792443, AA083383, W92523, AI400721,
		AA504865, AW262442, AA789229, AI250275,
_		AA011377, AI251700, AI254684, AI244896,
		AW052205, AC011456,
-		
		AF030001, AC006289, AL132774, AL049636,
		AC006115, AC003949, AP000518, AL023584,
-		
_		
		AC003976, AC004551, AC002072, AC005619,
		AP000080, X79283, AF126403, AC003061, AC005972,
		AF095725, AC005921, AF052041, AL049780,
		AC004051, AC016026, AC005304, AF109905,
		AC007707, AF111103, AC005580, AL031864,
		AC006039, AC005740, AL022401, AC003107,
		AC006012, AC003664, AC006371, AC005587,
		AL031737, AF001549, AP000014, U85195, AC002470,

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AL034406, AL132994, X06328, AL121754, 285987,
AC004888, AC003971, Z97987, AF091512, X07200,
AC006387, AC004126, AJ006996, AC006525,
 AJ003147, AP000208, AP000130, X15051, AC005599,
AC006112, AC006333, AP000247, AL023653, U62317,
X15052, AL022333, AC002543, AC004934, AF139987,
AL096816, AC004029, AC005855, U82668, AP000952,
AF229844, Z82203, AP000039, AC016025, U66059,
 AC004032, AF125314, AC000116, AC003694,
AC005172, AC005277, AC011331, AC006370, Z86062,
 AP000104, AC005772, AC004033, AC005878,
 AL033518, AL009047, AC007277, AL031010,
 AL024509, AC006285, AC005701, AC008080,
AF131205, AL023513, Z99916, AC007425, AL121657,
AC002080, AC000115, AC009069, AL031655,
 AC000105, AC005881, AF130248, AC006368,
AL080272, Z82244, AL031228, AC009396, AC007115,
AC011013, AC005386, AC007899, AP000961,
AC007993, AF064858,
AL049866,
AC004125, AC007314,
 AL133448,
AC005189,
AL049838,
 AL109627, AC004910, Z82201, AC008175, AL034412,
AC005960, AC005553, AC004848, AL049631,
 AP000697, AC004217, AC008984, AC006042,
AC006989, AF212831, Z97054, AF027865, AC006382,
 AC008033, AC006966, AC007344, AF060568,
AF044743, Z97353, AF130357, AL050307, AF107257,
AB010266, AL023582, AL034549, AC007917,

				AL049779, AP000313, AC009802, AC004467,
			•	AF110520, Z47556, AC007542, AC002487, AP000194,
				AP001116, AL136363, AC004967, AL035684, AF034569
1947	HMEKW4	882715	Preferably excluded from the	AA553612, AA813301, Z36965, D61366, AI216671,
	4		present invention are one or more	Z21245, AW152524, AI339525, AA483108, AI114701,
	-		polynucleotides comprising a	AI720301, AI375684, AI066646, AI755202,
		_	nucleotide sequence described by	AA584876, AA057530, AI341571, AW130427,
			the general formula of a-b, where a	AA584862, AW068996, AA569586, AW069783,
			is any integer between 1 to 1993 of	AA679937, Z86040, AC007385, AL031230, AC009247,
			SEQ ID NO:1947, b is an integer of	AB020874, AL049546, AL079304, AL021397,
			15 to 2007, where both a and b	AL035078, AC004890, AC004990, AC007103,
			correspond to the positions of	AC003009, AC004804, AL024498, AC004263,
			nucleotide residues shown in SEQ ID	AC005844, AL034375, AC005723, U91326, AC005409,
		_	NO:1947, and where b is greater	AL049539, AC006241, AC009509, AC007842,
			than or equal to a + 14.	AC006430, AL031296, AC005086, AC010205,
				AL023578, AC007528, AC006377, AC005081,
				AC004070, U62293, AL021395, AC005368, AC005155,
				Z82214, AL133243, Z68276, AC006509, AC005229,
				AL133245, AC004087, AL031684, AP000141,
				AC004821, AP000500, AC006478, Z93017, AC008372,
				AC004859, AC004125, AC006229, AC006525, Z78022,
				AL022576, AC004796, AL035249, AC005181,
				AC004028, AP001137, Z85986, AF045448, D87675,
				AL049696, AF001549, AC005670, U91318, AC005483,
				AR036572, U91328, AL049713, AC005180
1948	HCEDM42	882729	Preferably excluded from the	AI563939, AW250591, AA280100, AA148046,
			present invention are one or more	AI167949, AI160019, AA886389, AI679948,
			polynucleotides comprising a	AI523219, AA147993, W94919, AI679440, AA307127,
			nucleotide sequence described by	AA480164, N26434, R54543, AA064644, H08047,
			the general formula of a-b, where a	AI520745, H99329, R60593, R60646, AA064686,
			is any integer between 1 to 1236 of	AA283759, AA280033, R54445, AA303581, H07940,
			SEQ ID NO:1948, b is an integer of	W91972, H69540, AI250356, AA283994, R11288,
			15 to 1250, where both a and b	AI085856, N70908, R11229, AI540673, AA809976,
_			correspond to the positions of	AA909579, AA775556
		_	nucleotide residues shown in SEQ ID	
			NO:1948, and where b is greater	

			than or equal to a + 14.		
1949	HCRNZ31	882762	Preferably excluded from the	AW388071, AW388070, AW392828, AW170095,	, AW170095,
			present invention are one or more	AI139114, AA130783, AI796575, AI582280,	, AI582280,
			polynucleotides comprising a	AW392825, AW392827, AI032971, AW388090,	, AW388090,
			nucleotide sequence described by	AI160038, AI631539, AI205291, AA143796,	, AA143796,
			the general formula of a-b, where a	AI342617, AA086002, AI076563, AA550819,	, AA550819,
			is any integer between 1 to 2140 of	AW388098, AA086109, AI374885, AW392810,	, AW392810,
			SEQ ID NO:1949, b is an integer of	AA669949, AI146898, H99988, AA186384, AW392819,	AA186384, AW392819,
			15 to 2154, where both a and b	AA303484, AI335908, AI917197, AI094414, W32500,	, AI094414, W32500,
			correspond to the positions of	F02983, H77763, AA371674, D58760, AW131074,	8760, AW131074,
	0		nucleotide residues shown in SEQ ID	AA148180, AW392820, AA148700, AA130888, R72708,	, AA130888, R72708,
			NO:1949, and where b is greater	AA412284, AW363332, H77594, AA470006, AW079549,	AA470006, AW079549,
			than or equal to a + 14.	AA224383, AA151480, AA303341, R00959, AA150531,	, R00959, AA150531,
				F04202, D59193, AA099042, R00958, AA650273,	0958, AA650273,
				R43795, AIS71527, AA151983, AA583490, F04991,	AA583490, F04991,
				W02164, AA303931, AA098988, AA149391,	AA149391, T28556,
				T17080, AW135027, AA148701, AA747401, AW406447,	AA747401, AW406447,
				AI479148, N28704, AW021399, W01939, AW270652,	W01939, AW270652,
				AA601667, AL042054, N71729, T60887, X64123,	T60887, X64123,
				Z98036, AC004231, AC005971, AC002558, AF129756,	AC002558, AF129756,
				AC005514, AC005527, AL022316, AC003980,	, AC003980,
				AC007014, AL133245, AL117344, AC003950,	, AC003950,
				AC004233, AP000229	
1950	HWMBU8	883172	Preferably excluded from the	AA368362, T52098, R69052, R27072, AA397783,	7072, AA397783,
	6		present invention are one or more	AA393589, T95399, AA912955,	T95399, AA912955, AW137196, AA155762,
			polynucleotides comprising a	AA188555	
			nucleotide sequence described by		
			the general formula of a-b, where a		,
			is any integer between 1 to 638 of		
			SEQ ID NO:1950, b is an integer of		
_			15 to 652, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1950, and where b is greater		
			than or equal to a + 14.		
1951	HUFBY15	883201	Preferably excluded from the	AA625286, AA303053, AA303052, AA297581	, AA297581

			present invention are one or more					
			polynucleotides comprising a					
			nucleotide sequence described by					
-			the general formula of a-b, where a					
			is any integer between 1 to 455 of					
			SEQ ID NO:1951, b is an integer of					
			15 to 469, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1951, and where b is greater					
			than or equal to a + 14.					
1952	HIBCE91	883254	Preferably excluded from the	W00425, A	4349641, N	42533, AIS	W00425, AA349641, N42533, AI557558, AIS57559,	37559,
			present invention are one or more	AW360991,	R12333, A	IS57560, Z	AW360991, R12333, AI557560, Z46216, AI890540,	30540,
			polynucleotides comprising a	AA448602,	N56299, A	W103800, A	AA448602, N56299, AW103800, AC003007, AC005632	3005632
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 741 of					
			SEQ ID NO:1952, b is an integer of					
			15 to 755, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1952, and where b is greater					
			than or equal to a + 14.					
1953	HWLKF77	883371	Preferably excluded from the	AI478843,	AA628092,	AI816845,	AI478843, AA628092, AI816845, AI813678,	
			present invention are one or more	AW269372,	AI310217,	AI742137,	AW269372, AI310217, AI742137, AI887196,	
			polynucleotides comprising a	AA722779,	AA740417,	AI363399,	AA722779, AA740417, AI363399, H94805, H95343,	95343,
			nucleotide sequence described by	AA890712,	AA890712, AA643210, AI743293, AI362725,	AI743293,	AI362725,	
			the general formula of a-b, where a	AI391652,	AI391652, AA410876,		AI474205, AI261631,	
			is any integer between 1 to 1008 of	AI280434,	AI832281,		AW001746, AA449475,	
			SEQ ID NO:1953, b is an integer of	AI459617,			W32215, H61131, AI190504,	90504,
			15 to 1022, where both a and b	AI282582,			W32179, AA449638, AI345648,	I345648,
			correspond to the positions of	AI271086,	AI271086, AI473071, AJ245719			
			nucleotide residues shown in SEQ ID					
			NO:1953, and where b is greater					
			than or equal to a + 14.					
1954	HOGCA75	883753	Preferably excluded from the	AA523290,	AA700004,	AI927220,	AA523290, AA700004, AI927220, AW170580, W74492,	W74492,

	present invention are one or more	AI859845,	AI859845, AI991311, AA522795, AI081052	AA522795,	AI081052,
	polynucleotides comprising a	AA535079,	AA535079, AI400364, AI335984, AW193221,	AI335984,	AW193221,
	nucleotide sequence described by	AW170345,	AW170345, AA622540, AI273767, AW168283,	A1273767,	AW168283,
	the general formula of a-b, where a	AI188508,	AI188508, AA565989, AI559433, AI420481,	AI559433,	AI420481,
	is any integer between 1 to 1762 of	AI246782,	AI928146, AA157892,	AA157892,	AA314960,
	SEQ ID NO:1954, b is an integer of	AI281336,	AW194453, AA838633,	AA838633,	AA844471,
	15 to 1776, where both a and b	AI401064,		AI949231, AI911649,	AI268908,
	correspond to the positions of	AI874198,	AI186144,	AI186144, AI819846,	AI276313,
	nucleotide residues shown in SEQ ID	AI874344,	AI963847,	AI963847, AW193220,	AI863584,
	NO:1954, and where b is greater	AW167101,		AA149417,	AW168206, AA149417, W79089, AA506616,
_	than or equal to a + 14.	AIS64546,		AL036495, AA434123, AI560666,	AI560666,
		AA149738,		1948146, C	W02467, AA948146, C06165, AI660464,
		AW167111,		AI961910, AI343369, AW194388,	AW194388,
		AIS67796,		AW009339, AA434059, AI739607,	AI739607,
		AI280032,		1551656, AV	R48300, AA551656, AW167849, AI346572,
		AI923100,		AI091394,	AI005290, AI091394, H93341, AA295491,
		AI588982,		AI819915, AI950029, AI991855	AI991855,
		AI347074,		AI347076, AI660868, AW374558,	AW374558,
		AI682624,	AI348165,	AI348165, AI949885,	AI347071,
		AW014104,	AA582757,	AA582757, AI860565,	AI222884,
		AI861959,		AI347501,	AI305833,
		AI031766,		AI346944,	AW189088,
		AI032425,			H27323, AI214245,
		AI346606,		AW015201,	AI347060,
_		AI346569,	AW275383,	AI281140,	AI346475,
		AI743978,			AI273374,
		AI347930,	AI738627,	AI991114,	AI097004,
		AI144005,	AI304544,	AA569935,	AI281141, U46417,
		AA157596,		AI285074,	AI346274,
		AI336454,	AI346908,	AW374542,	AI339875,
		AI014860,	AA293207,	AI339827,	AI861957,
		AI281257,	AI243957,	AI243957, AI281300,	AI336446,
		AI660830,		AI368165,	
		AA411444,		AI636236,	
		AI424819,			
		AI470046,	AI690641,	AI284953,	AI284985,

•	AI077453, AI304526, AI272752, AI283882,
	AA149402, AI346977, AI345971, AI281170,
	AA568902, AI274915, H27350, AI262634, AI217716,
	AW000877, AW374541, AI818196, AI738744,
	AI347005, AW242694, AI280854, AI970403,
	AI273369, AI346999, AI304778, AI739069,
	AA574044, AI186095, AW167644, AI346193,
	AI688345, AI346941, AI346989, AI281121,
	AW043573, AA149303, AW024983, AI280872,
	AI274189, AI915133, H44304, AI318406, AI272747,
	AI273217, AA427468, AA574043, AI277124,
	AI669863, AI245933, AI246742, AI262266,
	AI873728, AI688346, AA633341, AA864657,
	AI318388, AW016561, AI672959, AA434269, R12121,
	AI262441, AA506660, AW299999, AI290431,
	 AI274388, AI312741, AW027199, AW044256, R36883,
	AI741229, H93844, AI955566, AA506754, AI537131,
	 N72688, H13937, AI346220, AI394296, H27324,
	AI222762, AI280169, AW374650, AI272760,
	AW237322, AA916675, AI262447, AA923527,
	AW136052, AA492265, AB000712, D88492, AB000714,
	AF007189, AF095905, AJ011656, AC004643, M74067,
	AJ130941, AJ249735, E13998, AL049423, AL133655,
	U30290, AR005195, AL133607, AL133084, AL133070,
	AL133053, AL133051, AL133049, AL133076,
	AL133608, D87953, AL122101, AL133015, AL133057,
	AF002985, AR055519, AR015970, AR034821,
	AF114168, AL122049, AF126531, AC004213,
	AF057300, AF057299, AF031147, Y17957, Y14735,
	X70685, AF052110, X72624, T96099, R05961,
	R05962, R48403, R50075, R50076, W21446,
	AA430665, AA492185, AA505980, AA563652,
	AA595940, AA622827, AA863314, AA886772,
	AA284679, AA293130, AA293763, D25752, T24860,
	A1540462

1955	HOGCJ47	883799	Preferably excluded from the	AW054994,	F33829, AJ	AW054994, F33829, AI560717, AI268302, AW005178,	268302, AW	7005178,
			present invention are one or more	F22745, AA	284546, AM	F22745, AA284546, AW296592, AI298213, AI356840,	298213, AI	356840,
		_	polynucleotides comprising a	AI493477,	F36987, AI	AI493477, F36987, AI081004, AI038823, AI633219,	038823, AI	633219,
		_	nucleotide sequence described by	T66954, T3	6169, W719	T66954, T36169, W71988, Z39991, H50924,	, HS0924,	
			the general formula of a-b, where a	AA284816,	F09164, A	AA284816, F09164, AA043299, T31835, M78780,	1835, M787	,80,
			is any integer between 1 to 1115 of	AA745562,	H16657, AM	AA745562, H16657, AW262658, AA745578, AA744099,	745578, AM	1744099,
			SEQ ID NO:1955, b is an integer of	AI349099,	AA989269,	AI349099, AA989269, R72575, H51586, AA744396,	1586, AA74	4396,
			15 to 1129, where both a and b	T79883, W7	6380, H169	T79883, W76380, H16514, H38527, AA995198,	, AA995198	
			correspond to the positions of	AA296888,	AA541441,	AA296888, AA541441, F11503, A1475083, AI302606,	475083, Al	1302606,
			nucleotide residues shown in SEQ ID	AA043300,	AA886838,	AA043300, AA886838, R54219, AI125823, T66953,	125823, TE	56953,
			NO:1955, and where b is greater	AA745444,	AW361009,	AA745444, AW361009, AA296951, F03443, AA297044,	F03443, AP	1297044,
			than or equal to a + 14.	AA335686,	F05047, R3	AA335686, F05047, R37601, AA090754, AI970619,	0754, AI97	,0619,
			,	Z44304, AV	1374215, A	Z44304, AW374215, AI547101, R51823, AA783044,	1823, AA78	33044,
				AA594940,	AW176749,	AA594940, AW176749, AA583598, T15585, R49122,	T15585, R4	19122,
				AA085248, AF131774	AF131774			
1956	HWLUT61	883945	Preferably excluded from the	AI942421,	AA588562,	AI942421, AA588562, AI942402, AI520886,	AI520886,	
			present invention are one or more	AI867203,	AA995170,	AI867203, AA995170, AA045481, AW380270,	AW380270,	
			polynucleotides comprising a	A1680440,	AI362487,	AI680440, AI362487, AI591163, R82350, AI934005,	R82350, AI	1934005,
_			nucleotide sequence described by	AW089784,	C04722, A	C04722, AA046708, AI690012, AA016994,	690012, AP	1016994,
	-		the general formula of a-b, where a	AI274637,		AI872632, D19775, AI985406, AL049685,	985406, AI	.049685,
			is any integer between 1 to 265 of	AL049792, AF093744	AF093744			
			SEQ ID NO:1956, b is an integer of					
			15 to 279, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:1956, and where b is greater					
			than or equal to a + 14.					
1957	HLTBA42	883971	Preferably excluded from the	AI767559,	AI631820,	AI767559, AI631820, AI758931, AI758389,	AI758389,	
			present invention are one or more	AW118708,	AA630485,	AW118708, AA630485, AA761469, AW195693, T89742,	AW195693,	T89742,
			polynucleotides comprising a	AA807177,	AA361233,	AA807177, AA361233, AI679708, AI244041	AI244041,	
			nucleotide sequence described by	AIS72549,	AI572549, AA947977, AI679134	AI679134		
	•		the general formula of a-b, where a					
			is any integer between 1 to 909 of					
			SEQ ID NO:1957, b is an integer of					
_			15 to 923, where both a and b					
			correspond to the positions of					

			nucleotide residues shown in SEQ ID No:1957, and where b is greater than or equal to a + 14.	
1958	нненв82	884038	preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1743 of SEQ ID No:1958, b is an integer of 15 to 1757, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID No:1956, and where b is greater than or equal to a + 14.	AI676130, AI991800, AI936232, AA307685, W67860, AI640485, AI624950, AA524353, AI824956, AI640485, AI620990, AI335005, N31143, N21294, AN907627, AN902169, AW002644, N21128, AI33331, AA610108, N90992, AW071591, AI240604, AA678009, N31229, AI264921, AI240604, AA678009, N31229, AI264921, AI641678, AA570013, AA6793737, AW015641, AG6746, T11944, AA570191, AA68445, AA935035, C15927, AA358195, AA081627, T07826, N94623, T34036, Z44938, AA880035, D52558, AW373392, A3436954, AW098404, AW373174, AW373195, W23822, Z41687, T83793, T32675, W67803, AI566308, H98550, F03903, AA586186, AI360228, AA199262, AA151882, Z85996, D16898, AR090992
1959	HE2PR08	884095	Preferably excluded from the present invention are one or more polynuclectides comprising a muclectide sequence described by the general formula of a-b, where a is any integer between 1 to 2842 of SEQ ID NO:1959, b is an integer of 15 to 285, where both a and b correspond to the positions of nuclectide residues shown in SEQ ID NO:1959, and where b is greater than or equal to a + 14.	Z78394, AA579630, AA582960, AI885325, AI936536, AL041202, AA27918, AA524591, AA224554, AA088212, AM20821, AM20821, AM20821, AM20821, AM20821, AM20821, AM20821, AM20821, AM201511, AM29847, AA582557, AI862390, AM387178, AI803956, AM173427, AI803766, AA243818, R80863, AA764237, AA5814430, AI80058, AA86607, AA280913, AA808467, T03578, AM2802356, H00647, AI264722, AA553759, AA654266, R80862, AA323841, H91024, AW050796, AI086287, T7712, AI912397, AW117749, AW173596, AA653386, AW38592, AA349239, AI277285, AI648701, AA330244, AL120761, Z78395, T47786, W38742, A4330244, AL120761, Z78395, T47786, W38742, AA634686, AA63136
0961	HMKAN71	884161	Preferably excluded from the present invention are one or more	AI63571S, AW411210, AI624534, AA879465, AW104990, AW409582, AI766309, AA081177,

				TO COURT	,		
			polynucieotides comprising a	ALBU3484,	K/8080, A	129966, AI	A1803484, K/8080, A1129966, A1925109, A1804159,
			nucleofide sequence described by	AA279212,	AA410910,	AA279212, AA410910, AA678827, AI860837,	AI860837,
			the general formula of a-b, where a	AI183591,	AW316983,	AI183591, AW316983, AI431314, AA766602	AA766602,
			is any integer between 1 to 1706 of	AA081236,	AW194027,	AI521521,	AA081236, AW194027, AI521521, Z38832, AA588351,
			SEQ ID NO:1960, b is an integer of	AI923638,	N39554, R2	2273, AA44	AI923638, N39554, R22273, AA447188, AA769352,
			15 to 1720, where both a and b	T52102, AA	371263, AP	1259257, TE	T52102, AA371263, AA259257, T60532, AW411209,
			correspond to the positions of	R22218, Z4	2670, AA44	13811, AA96	R22218, Z42670, AA443811, AA969814, AA729654,
			nucleotide residues shown in SEQ ID	AA259256,	AI969030,	AA259256, AI969030, AW409826, R24524	R24524
			NO:1960, and where b is greater				
			than or equal to a + 14.				
1961	HSIFV30	884168	Preferably excluded from the	AI660957,	AW361534,	AI660957, AW361534, AW361532, AI802756,	AI802756,
			present invention are one or more	AW361521,	AW361520,	AW361521, AW361520, AW009763, AI660234,	AI660234,
			polynucleotides comprising a	AI802693,	AW361523,	AI802693, AW361523, AI721275, AA581198,	AA581198,
			nucleotide sequence described by	AW361522,	AW361528,	AW361522, AW361528, AA296955, AI721121,	AI721121,
			the general formula of a-b, where a	AA508854,	AA297150,	AW009764,	AA508854, AA297150, AW009764, D25727, AI687981,
			is any integer between 1 to 2840 of	AI582072,	AF127036,	AI582072, AF127036, AF039400, AF095584,	AF095584,
			SEQ ID NO:1961, b is an integer of	AB017156,	AB017156, AF039401, I95746	195746	
			15 to 2854, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1961, and where b is greater				
			than or equal to a + 14.				
1962	HNTSY52	884215	Preferably excluded from the	AI815240,	AI631739,	AI815240, AI631739, AA309645, AI696961,	AI696961,
			present invention are one or more	AI479235,	AA307961,	AI479235, AA307961, AI978872, AW195761,	AW195761,
			polynucleotides comprising a	AA280818,	AI990440,	AA280818, AI990440, AW262762, AI809185,	AI809185,
			nucleotide sequence described by	AI037930,	AI637988,	AI037930, AI637988, AI754009, AA181165,	AA181165,
	_		the general formula of a-b, where a	AA972531,	AI817057,	AA972531, AI817057, AI494056, AW073248,	AW073248,
		_	is any integer between 1 to 4073 of	AA181166,	AI826853,	AA181166, AI826853, AI361369, AI149286,	AI149286,
			SEQ ID NO:1962, b is an integer of	AI752584,	W52618, AV	4339206, AV	AI752584, W52618, AW339206, AW075435, AA115631,
			15 to 4087, where both a and b	AI445241,	AI523220,	M62298, AJ	AI445241, AI523220, M62298, AA558913, AW368570,
			correspond to the positions of	N51760, AJ	1348679, A.	I735744, AV	N51760, AA348679, AI735744, AW384980, AW384967,
			nucleotide residues shown in SEQ ID	AI802541,	Z19223, N.	35007, N74:	AI802541, Z19223, N35007, N74118, H03102,
			NO:1962, and where b is greater	AA102848,	Z25028, A	I624448, A	AA102848, Z25028, AI624448, AI279412, AI476071,
			than or equal to a + 14.	AA385867,	AA095022,	AA385867, AA095022, AW194583, AI383593,	AI383593,
				AA360919,	R79669, Z.	28444, AASI	AA360919, R79669, Z28444, AA506352, R26853,
				AA133388,	AA330074,	N30413, Z	AA133388, AA330074, N30413, Z28730, AA020013,

				AI954282, R79858, D31597, R77935, AA280996,
				H99307, AA020014, R27081, AI950631, AA295264,
				A1221843, N47215, ALO80111, AR044142, AR044127
1963	HCROM43	884379	Preferably excluded from the	AW374334, AI064813, T31706, T08905, R94666,
			present invention are one or more	T09212, T31698, T83796, AA714176, T27030,
			polynucleotides comprising a	AI655004, AW239098, AF196972
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 787 of	
			SEQ ID NO:1963, b is an integer of	
			15 to 801, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1963, and where b is greater	
			than or equal to a + 14.	
1964	HLWCF60	884529	Preferably excluded from the	AI083497, H14688, N77514, AW015613, H16869,
			present invention are one or more	AA377154, AW194949, AA378912, AW390260, H24407,
			polynucleotides comprising a	AA307120, W39491, F25064, AA252725, AI539349,
			nucleotide sequence described by	AA252714, H17215, AA136412, AA076537, AA076506,
			the general formula of a-b, where a	R57305, H06942, AA488566, AF151908
			is any integer between 1 to 1612 of	
			SEQ ID NO:1964, b is an integer of	
			15 to 1626, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1964, and where b is greater	
			than or equal to a + 14.	
1965	HWLKD85	884719	Preferably excluded from the	AA282838, AA121115, AA323118, AI351856,
			present invention are one or more	AA325395, AA248006, AB028859, AJ250137
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 576 of	
			SEQ ID NO:1965, b is an integer of	
			15 to 590, where both a and b	

			correspond to the positions of					_
			nucleotide residues shown in SEQ ID					
			NO:1965, and where b is greater					
1966	HCRMX54	885350	Preferably excluded from the	AL038837,	AL037051,	AL038837, AL037051, AL039074, AL039128,	AL039128,	1
			present invention are one or more	AL039109,	AL039109, AL039108,	AL039659,	AL039156,	
			polynucleotides comprising a	AL045337,	AL045337, AL039625,	AL039648,	AL039629,	_
			nucleotide sequence described by	AL039678,	AL039678, AL042909,	AL040992,	AL039564,	
			the general formula of a-b, where a	AL038531,	AL037726,	AL045353,	AL036973,	_
			is any integer between 1 to 1956 of	AL044407,	AL039410,	AL039423,	AL039538,	
			SEQ ID NO:1966, b is an integer of	AL039386,	AL044530,	AL039566,	AL039509,	
			15 to 1970, where both a and b	AL036725,	AL045341,	AL039150,	AL036196,	
			correspond to the positions of	AL037639,	AL038025,	AL039924,	AL036767,	
			nucleotide residues shown in SEQ ID	AL037615,	AL038821,	AL036117,	AL036238,	
			NO:1966, and where b is greater	AL043441,	AL045794,	AL039085,	T24119, T24112,	
			than or equal to a + 14.	AL036679,	AW013814,	AL043445,	AL043422,	
				AL037526,	AL037027,	AL037601,	AL043423,	
				AL036924,		AL036964, AL036158,	AL036765, H00069,	
				AL036268,		AL036733, AL037177, AL037054	AL037054,	_
				AL036418,		L03699B, T	T23947, AL036998, T02921, AL036133,	
				AW451070,		AL037643, AL036132, AL037082,	AL037082,	
				AL038851,		AL036167, AL036163, AL037178	AL037178,	
				AL037049,		AL037085, AL036190, AL037600,	AL037600,	
				AL036914,	AL036139,	AL036139, AL037047, AI535983,	AI535983,	
				AL037124,	AI535783,	AL037124, AI535783, AL037021, AL036191,	AL036191,	
				AW452756,		L044960, AJ	Z99396, AL044960, AL036152, R47228,	
				AL036900,		L036150, A	D51250, AL036150, AL036227, AL048425,	
				AL036207,	AL036174,	AL036207, AL036174, AL036953, AL036719	AL036719,	_
				AL037679,	T23659, D	80253, ALO	AL037679, T23659, D80253, AL036858, AL037077,	
				AL036808,	D59787, A	L038043, A	AL036808, D59787, AL038043, AL037569, D80043,	
				D59275, D	80219, T48	598, AA514	J59275, D80219, T48598, AA514190, Z25782,	_
				AL038447,	D80227, A	W450376, D	AL038447, D80227, AW450376, D80240, D80134,	
				AA631969,	AL037002,	D51423, T	AA631969, AL037002, D51423, T11051, AL036999,	
				D80210, Z	25783, D59	619, H0007.	D80210, Z25783, D59619, H00072, AL037016,	
				C14227, A	L037094, A	L036630, D	C14227, AL037094, AL036630, D80193, D80196,	
				AW135155,	D80168, A	L039440, D	AW135155, D80168, AL039440, D59927, AIS57751,	

 A	AL036229, AL039076, AL037742, D80366, AL043868,
A	AW392670, AL038509, AL039077, AL119457,
 4	AL119324, AI142134, AL042544, C75259, AW451416,
<u> </u>	AL119443, AL119399, AL038520, AW384394,
 <u>a</u>	AW372827, AW363220, AL119497, AL119319,
 	AL119355, AL119483, AL119363, U46349, AL119391,
4	AL119484, C14389, U46341, U46350, AL119522,
<u> </u>	AL119418, U46351, AL119341, AL119335, AL039504,
W.	AL039555, AL039521, AL119396, AL039476,
 4	AL043586, AL044412, AL044364, U46346, AL119496,
D	U46347, AL119444, AL036836, AL043011, D59889,
<u> </u>	AL037205, AL119439, AL042984, AL119464,
<u> </u>	AL134527, AL134538, AL042614, AL042965,
4	AL042975, AL043029, U46345, Z96142, V00745,
<u>×</u>	X73004, AR036903, E13740, I19517, A76773,
<u> </u>	A22413, I13349, A11245, A35536, A35537, A02135,
 <u> </u>	A02136, A10361, A04663, A04664, I08051,
 4	AF118808, I01992, A92636, E03165, E02221,
M	E01614, E13364, X68127, A95051, AR062871,
 <u> </u>	AR031374, A49700, AR031375, A58521, AR020969,
<u> </u>	AR025207, AR017907, AR036905, A38214, A44171,
<u> </u>	IS6772, I95540, AR018924, A63067, A51047,
4	A63064, AR018923, A48774, A63072, A48775,
<u> </u>	AR068507, AR068506, AR015960, AR000007,
A.	AR015961, A85477, AR035975, AJ244003, AJ244004,
A.	AR035974, AR035977, A85396, AR035976, AR035978,
 4	A25909, A98767, I19516, A93963, A93964, I63120,
a.	A02712, I60241, I60242, A95052, AR043602,
A .	AR043603, AR043601, A95117, A18053, I06859,
 4	A18050, A23334, A75888, I70384, A60111, A23633,
 4	AR007512, A23998, A84772, A84776, A84773,
A.	A84775, AR062872, A84774, AR062873, AR067731,
 4	AR037157, AR067732, A86792, A58522, A91750,
A.	AR054109, A64081, A20702, A43189, A43188,
4	A20700, I18371, A92133, A58524, A58523, A24783,
A	A24782, A81878, I03343, AR022240, A97211,

_				A02710, E12615, AR035193, E14304, A07700,
				A13392, A13393, A27396, AR027100, I28266,
_				I21869, A49045, E16678, E16636, A82653, A93016,
				D28584, I25027, I26929, I44515, I26928, I26930,
				A58525,
				I49890, I44516, AF156296, AR000006, A58526,
	-			A91753, I00079, E16590, AF156294, AJ244005,
				AJ230933, A91965, A67220, Y11923, AR027069,
				A20701, A04710, Y11926, A52326, A15078, I00074,
				I03665, I03664, D88984, U87250, I66495, I66494,
				I66498, I66497, I66496, I66486, I66487, E00523,
_				AR038286, I25041, I92483, I00077, AR008430,
				AF156303, AR028564, AR060673, AR060676, A49428,
				A08457, A08458, AF156299, I07429, A13038,
	-			A29289, X13220, D14548, D34614, A00782, A02741,
		_		A14595, A18755, A25856, I12245, A49695, A49696,
	•			A97221, AF019720, AF156302, S70644, A18722,
	-			AF156304, A91754, M32676, AB012117, AF096810,
				E06034, I69350, S65373, X58217, AR064706,
	_			I68636, A60957, I40851, I84554, I84553, A60968,
				A60983, Y11449, AF096793, AR066482, A60985,
				A60990, A60987, D44443, X15418, AB007195,
_				Y17188, A10363, AF130655, X73003, I08250,
				X16234, E04616, I03663, I03666, I18302, S83538,
-				Y11447, AR063812, I07888, Y11920
LH 2961	HTPHK88	885476	Preferably excluded from the	AA433834, AA427986, W38581, AA362763, AA331674,
		_	present invention are one or more	W05306, AA029735, AA331672, W93893, H46399,
			polynucleotides comprising a	AI672548, AI637672, AA025077, R26502
			nucleotide sequence described by	
			the general formula of a-b, where a	
		_	is any integer between 1 to 1208 of	
			SEQ ID NO:1967, b is an integer of	
			15 to 1222, where both a and b	
_			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1967, and where b is greater	

			than or equal to a + 14.		
1968	нсоврзя	885484	Preferably excluded from the	AA056059,	AA056059, N55045, AI016561, AL035552, Z82975,
			present invention are one or more	AC004388,	AC004388, AC004993, AC010722, AC006924,
			polynuclectides comprising a	AL033397,	AL033397, AL022151, Z84720, AL109654, AC005145,
			nucleotide sequence described by	AL136297,	AL136297, AC004081, AL121823, AC007458,
			the general formula of a-b, where a	AP000493,	AP000493, AC005053, Z93403, L11910, Z72001,
			is any integer between 1 to 1424 of	AC004911,	AC002071, AL121654, Z99497, AL109758,
			SEQ ID NO:1968, b is an integer of	AL133244,	AL034377, AC002524, AC004998,
			15 to 1438, where both a and b	AC002367,	AC002367, AL049588, AC006041, AL022164,
			correspond to the positions of	AL031650,	AL031650, AL117667, Z83848, AC003080, AC005250
_			nucleotide residues shown in SEQ ID		
			NO:1968, and where b is greater		
			than or equal to a + 14.		
1969	HLQF167	885511	Preferably excluded from the	R08489, A	R08489, AI683117, AA724056, AI571789, AA489761,
			present invention are one or more	AW341505,	AW341505, AI590115, AI884695, AI651965,
			polynucleotides comprising a	AI863337,	AI863337, AI028587, AI246696, AI920847, R76087,
			nucleotide sequence described by	AI032590,	AI032590, AAB35680, AA508647, AA765513,
			the general formula of a-b, where a	AI791278,	H51121, AI568523, AA034147, AA513202,
			is any integer between 1 to 509 of	AA053714,	
			SEQ ID NO:1969, b is an integer of	AC008014,	
			15 to 523, where both a and b	AC008498,	L81800, AC005871, AC002209, Z98744,
			correspond to the positions of	AC003695,	
			nucleotide residues shown in SEQ ID	AC004836,	AC005069, AC004068, AL049648, U69569,
			NO:1969, and where b is greater	AC006325,	
			than or equal to a + 14.	AF093117,	
_				AL049734,	
				AC006368,	
				AC007370,	
				AL023579,	AL022477, AL035684, AL022576,
				AC002526,	AC002526, AC007542, AL132800, AF165176,
				AL078598,	AL078598, AC008126, AC008072, AF064860,
_				AL031681,	AC007385, AC005232, AC004885,
				AC007103,	AC007103, AC005157, AE000660, AC004063,
				AC003046,	AC003046, AL035686, AC007016, AL078602,
				AL109612,	AL109612, AL117355, U85197, AJ010598, AL135746,
				AC006143,	AC006143, AC006032, AL035667, AP000243,

				AP000203,	AL034417,	AF042090,	AP000203, AL034417, AF042090, U71148, AC005533,
				AC004042,	AC004042, AL079352, AL049844, AL031123,	AL049844,	AL031123,
				AC004788,	AC004788, AC003119, AC007786, AL031965	AC007786,	AL031965
1970	HAJBV26	886331	Preferably excluded from the	AW160977,	AW160977, AW392670, AL119483, AL119497,	AL119483,	AL119497,
			present invention are one or more	AL119443,	U46341, AW	372827, AW	AL119443, U46341, AW372827, AW384394, AW363220,
			polynucleotides comprising a	AL119319,	AL119457,	AL042975,	AL119319, AL119457, AL042975, AL119324, Z99396,
			nucleotide sequence described by	U46351, AI	,119484, AL	119363, AI	U46351, AL119484, AL119363, AL119341, AL119391,
			the general formula of a-b, where a	AL119355,	U46350, U4	6347, U463	AL119355, U46350, U46347, U46349, AL119444,
			is any integer between 1 to 761 of	AL134902,	AL119396,	U46346, AI	AL134902, AL119396, U46346, AL119335, AL043011,
			SEQ ID NO:1970, b is an integer of	AL134920,	AL134920, AL134533, AL119439, AL119522,	AL119439,	AL119522,
			15 to 775, where both a and b	AL119496,	AL119496, AL042970, AL134538, AL119399,	AL134538,	AL119399,
			correspond to the positions of	AL042965,	AL042965, AL134518, AL037205,		U46345, AL119418,
			nucleotide residues shown in SEQ ID	AL042614,	AL042614, AL042995,	AL134531,	AL042896,
			NO:1970, and where b is greater	AL043029,	AL042450,	AL042544,	AL134526,
			than or equal to a + 14.	AL042542,	AL042542, AI142139,	AL043019,	AL042984,
				AL042551,	AL042551, AL043003, AL119464, AL119488,	AL119464,	AL119488,
				AL117339,	AB026436,	AR054110,	AL117339, AB026436, AR054110, A81671, AR060234,
				AR066494,	AR066494, AR069079,	U27699	
161	HBJJF90	886505	Preferably excluded from the	AI291206,	AI692352,	AA159669,	AI291206, AI692352, AA159669, AA166774, W87878,
			present invention are one or more	H60270, R	0390, AI17	4957, AA08	H60270, R00390, AI174957, AA082398, AA047213,
			polynucleotides comprising a	AIS67717,	N58610, AA	384188, AJ	AI567717, N58610, AA384188, AA344124, AI970562,
			nucleotide sequence described by	AI572002,	AI860354,	AA035047,	AI572002, AI860354, AA035047, N26366, AA382178,
			the general formula of a-b, where a	R21443, AJ	1649513, AA	294966, M	R21443, AA649513, AA294966, AA393451, AW372027,
			is any integer between 1 to 1120 of	AW383791,	N79097, AW	176696, A	AW383791, N79097, AW176696, AA579377, AW383795,
			SEQ ID NO:1971, b is an integer of	AW363037,	AW363037, AW372042, AW372015, AI887591,	AW372015,	AI887591,
			15 to 1134, where both a and b	AW383956,	AIS90368,	AA489105,	AW383956, AI590368, AA489105, AW379471, H72198,
			correspond to the positions of	W57920, AJ	AB 6006861	286892, AV	W57920, AA989009, AA286892, AW363951, AA047214,
			nucleotide residues shown in SEQ ID	AW372040,	AW372040, AA459578, AW383793, AW383800,	AW383793,	AW383800,
			NO:1971, and where b is greater	AA092369,	AA092369, AW383794, AW364575, AW383786,	AW364575,	AW383786,
			than or equal to a + 14.	AC004686, AF161410	AF161410		
1972	HWLFB44	886527	Preferably excluded from the	A1688604,	AI688604, AI660552, AI659950, AW296326,	AI659950,	AW296326,
			present invention are one or more	AW291582,	AW291582, AI700219, AI380340, AW004785,	AI380340,	AW004785,
			polynucleotides comprising a	AW295479,	AW295479, AW006764, AI688540, AA522452,	AI688540,	AA522452,
			nucleotide sequence described by	AA594441,	AAS94441, AI695451, AA470898, AA594533,	AA470898,	AA594533,
			the general formula of a-b, where a	AIS81787,	AIS81787, AIS81803, AIS81880, AI832419	AIS81880,	AI832419
			is any integer between 1 to 437 of				

			SEQ ID NO:1972, b is an integer of			
			15 to 451, where both a and b			
			correspond to the positions of			
			nucleotide residues shown in SEQ ID			
			NO:1972, and where b is greater			
			than or equal to a + 14.			
1973	HCE4U96	886788	Preferably excluded from the	AI688460,	T09220, AA3	AI688460, T09220, AA338971, AI969431, AI862437,
			present invention are one or more	AI862438,	242464, W46	AI862438, Z42464, W46479, AW163719, AW139376,
			polynucleotides comprising a	AA314949,	AA314949, AI214207, AC004382	C004382
			nucleotide sequence described by			
			the general formula of a-b, where a			
			is any integer between 1 to 1371 of			
			SEQ ID NO:1973, b is an integer of			
			15 to 1385, where both a and b			
			correspond to the positions of			
			nucleotide residues shown in SEO ID			
			NO.1973 and where h is greater			
			Moratory, with which to an expected			
			than or equal to a + 14.			
1974	HWLEL48	886914	Preferably excluded from the	AW014333,	AW376283, 1	AW014333, AW376283, I82554, U79725, I82549
			present invention are one or more			
			polynucleotides comprising a			
			nicleotide semience described by			
			ותרדבסריותב אבלתבוורב תבארדותבת חא			
			the general tormula of a-b, where a			
			is any integer between 1 to 734 of			
			SEQ ID NO:1974, b is an integer of			
			15 to 748, where both a and b			
			correspond to the positions of			
			nucleotide residues shown in SEQ ID			
			NO:1974, and where b is greater			
			than or equal to a + 14.			
1975	HTGBT14	887098	Preferably excluded from the	AA528172,	AI870515, #	AA528172, AI870515, AW022634, AI122636,
			present invention are one or more	AI807139,	AI524135, 7	AI524135, AW117562, AI332968, W94241,
			polynucleotides comprising a	AI034051,	AW119174, 1	AI034051, AW119174, N53839, AI378914, AI708759,
			nucleotide sequence described by	AA699609,	AA425884, 3	AA425884, AA909771, AI086409,
			the general formula of a-b, where a	AI312652,	AI382156, A	AI312652, AI382156, AI161356, AA635388.
			is any integer between 1 to 757 of	AA633491,	W94238, W46	AA633491, W94238, W46444, AA746370, AA228039,

	SEO ID NO:1975, b is an integer of	A1362190, AA443159, AA975136, AI144548, W94114.
	15 to 771, where both a and b	R33101, AA713985, AI350918, AI301665, AA928203,
	correspond to the positions of	AI864872, AA702159, AI052284, AI340996, W95293,
	nucleotide residues shown in SEQ ID	AA228149, AI497988, AA084519, AA223979, F22291,
	NO:1975, and where b is greater	F21666, AW262545, AI421254, W69785, AI492628,
	than or equal to a + 14.	F22149, AI038217, AA782142, H51447, F29644,
		W95550, AA633151, W51800, AA524187, AI220373,
		AI718892, AA978346, H51405, AA866163, N73336,
		T48735, F26124, AI971845, W78797, AA704978,
		W69733, AI066547, AA082415, AA224044, AA918327,
_		W92564, Z22018, AA306319, AA928012, W46469,
		AA002051, AA463446, AA970170, W95702, F36672,
		F20308, R33196, AI460269, F34207, W95701,
		AA378930, AA090815, AA661851, C21256, T48734,
		F18648, AA428745, AA093730, AA666150, AA062817,
		AI027170, AA001847, AI264217, AI653972,
		AI202069, AL079963, AIS39028, AW149925,
		AI269862, AI364788, AL047763, AL041150,
		AL042628, AW198075, AI537989, AI932794,
_		AW268220, AI334450, H89138, AI564259, AL119863,
		AI648663, AI344928, AI358701, AI582932,
		AL036638, AL045500, AI570807, AL045266,
		AW079572, AI308032, AI698391, AI344785,
		AI670009, AW087445, AI889953, AI520809,
		AI345148,
		AI468872, AW020693,
		AI433157, AI270183, AI554821, AW151136,
-44		AI539771, AI537677, AI494201, AI802542,
_		AIS00659, AL036631, AW168485, F27788, AI815232,
		AI801325, AI500523, AI866090, N80094, AI923989,
		AI284517, AI500706, AI445237, AI491776,
		AW151138, AI889189, AI521560, AI500662,
		AI288285,
		AI633493, AI434256, AI627988, AI344933,
		AI805769, AI888661, AI284513, AI888118,
_		AI524671, AW162194, AI889147, AI812015,

	Z	AI440252, AI306613, AW051088, AI433037,
	4	AI632408, AI886181, AW268302, AA715307,
	4,	AW072719, AI933589, AI611348, AI635067,
	4	AI610645, AL040243, AW103371, AI608936,
	1	AI874166, AI254731, AI921248, AI819976,
		AW023859, AL119791, AL043981, AI886753,
_		AI349004, AI686906, AI927755, AL121270,
	<i>t</i>	AI798456, AW051258, AL042551, AI624293,
		AI611738, AW148970, AI571909, AI619502,
-	7	AI677796, AI352497, AI349598, AI684021,
	-	AI288305, AW118518, AL039276, AW269097,
	<i>t</i>	AW026882, AI923370, AI269205, AI064830,
	~	AI929108, AI436429, AW193125, AL110402,
	-	AI371228, AI500061, AI572892, AI613548,
		AW083804, AI654276, AI620089, AC004985,
		AF161453, AF015416, A12297, I89947, AL133014,
		AL137271, AL122049, AF111851, AF091084,
_		AF118094, AL133072, A08913, AF078844, AL137521,
		AL137557, AL117435, AF113019, AL049283, I33392,
	7	AL133016, AF026816, AL110280, 148978, AF185576,
		A08916, U35846, AF008439, A08910, I89931,
		A08909, AL137538, AL050138, X72889, I49625,
		AL137459, U80742, AF090901, X98834, AL049464,
		AF106862, U72620, AL122110, AR011880, AL133080,
		AF125948, AL133077, AF177401, U91329, AL049452,
		AL049300, AF125949, A65341, Z82022, AF090903,
	_	AL133560, AL137463, AF087943, AL133606, E03348,
_		I03321, AL137560, AL117460, Y14314, AL050149,
		AL080124, E07361, AF113694, X82434, AF113689,
		Y16645, AL110196, A77033, A77035, AL080159,
		E15569, S78214, I48979, S68736, AL049466,
		A58524, A58523, I00734, X93495, X65873,
		AF113690, AF090934, AF113677, Y11254, AL049382,
		E02349, AF113013, AL050277, AL050116, E00617,
		E00717, E00778, AL122093, AL050393, AL122121,
		A08912, I26207, AF104032, AF067728, U00763,

				AJ238278, X	AJ238278, X63574, AJ012755, AL122123, AL133104,
				AF017437, A	AF017437, AF097996, AL050024, AL133640,
				AL117583, A	AL117583, AL117585, AL122098, AL133113, U42766,
				A03736, X96	A03736, X96540, AF061943, AF003737, AF162270,
				X11587, AL1	Y11587, AL137550, AF090943, AF183393, AF158248,
				AL137292, 8	AL137292, S61953, U67958, I42402, A93350,
				AF026124, 7	AF026124, AF017152, AF090900, AR038854,
		-		AL080074, 7	AL080074, AR000496, U39656, Z72491, AF079763,
		_		AR059958, 4	AR059958, AL110221, AL117457, AF1111112,
_				AB019565, A	AB019565, AF119337, AL049430, AF113699,
				AF153205, A	AF153205, AF113691, E07108, A07647, AL050146,
				AL137476, P	AL137476, AL137526, I09360, X70685, AL049314,
_				AL137648, 3	AL137648, AJ242859, L31396, AL096744, AL110225,
				AL117394, I	L31397, AL133093, AF113676, AL133565,
				AF079765, 1	AF079765, AF057300, AF057299, AJ000937, L30117,
				AF111849, 7	AF111849, AL133557, E02221, AL080060, AL133067,
				AL137556, 1	A90832, AL050172, AF210052, AL122118,
				AF118070, 1	AF118070, AL122050, AL133098, AL137533,
				AL050108, 7	AL050108, AF146568, AF090896, AF106657,
				AF118064, 1	AF118064, M30514, X84990, AL080127, AL133075,
				AL117440, 1	AL117440, AL080137, AL137527, E08263, E08264,
				A93016, AL	A93016, AL137480, AF032666, AL049938, A45787,
				E04233, U9	E04233, U96683, AL133568, AJ006417, X53587,
_				AR038969, 1	AR038969, AR013797, AL133081, AL110197, Y09972,
		-		AF061573, 1	AF061573, U68387, AL137523, X87582, U58996,
_	-			Y07905, AF	Y07905, AF081195, AL137294, AL137283, E06743,
				X83508, AR	X83508, AR020905, AL137478, AL137488, AL050092,
				E05822, E0	E05822, E08631, Y10080, L19437, I09499, U78525,
				AF051325,	AF051325, X92070, AL137705, AL023657, AL117432,
	_			AF081197,	U49908, AL080086, AF106827, Z37987
1976 HKLI	HKLRB09 88	887114	Preferably excluded from the	AI732659,	AI732659, AI791955, AAS77625, AW083143,
			present invention are one or more	AW138645,	AW138645, AL038837, AL039074, AL039564,
			polynucleotides comprising a	AL039109,	AL039108, AL039156, AL037051,
			nucleotide sequence described by	AL038531, AL039659,	AL039659, AL036725, AL039625,
			the general formula of a-b, where a	AL039648,	AL039648, AL039629, AL039678, AL040992,
			is any integer between 1 to 1698 of	AL039150,	AL039150, AL039128, AL037726, AL045337,

	SEQ ID NO:1976, b is an integer of	AL042909, AL0	AL042909, AL039423, AL039410, AL039085,
	15 to 1712, where both a and b	AL045353, AL0	AL045353, AL036973, AL044407, AL039538,
	correspond to the positions of	AL039924, AL0	AL039386, AL038821, AL044530,
	nucleotide residues shown in SEQ ID	AL039566, AL0	AL039509, AL036196, AL043445,
	NO:1976, and where b is greater		AL037639, AL038025, AL036418,
	than or equal to a + 14.		T24119, AL043422, T24112, AL037615,
		AL036767, AWD	AW013814, AL043441, AL045794, H00069,
		AL043423, AL0	AL036924, AL037082, AL038851,
		AL037104, AL0	AL036117, AL036238, T23947, AL036190,
		AL036679, AW4	AW451070, AL036733, Z99396, AW452756,
		AL037081, AL0	AL037027, AL037601, AL036191, T02921,
		AL037178, AIS	AIS35983, AL036158, D51250, AL036765,
		AL036998, AIS	AI535783, AL037054, AL036964, R47228,
		AL036174, AL0	AL037177, AL037021, AL037643, T23659,
		AL037600, D80	D80253, AL037049, AL037124, AL036858,
			AL036139, AL119457, D59787, AL036132,
		AL036167, D80	D80043, AL036268, D59275, AL037085,
		AW450376, AL0	AL036152, D80219, AL042544, AL036228,
_		AL119399, T48	T48598, AA514190, Z25782, AL036900,
			D80227, AL036953, AL036808, AL119324,
		AL042382, ALC	AL037047, AL036207, AL079794,
		AL036227, D80	D80240, AL041862, AL036742, D80134,
_		AL036719, AA6	AL036719, AA631969, AL036150, AL037002, D51423,
-		T11051, AI763	T11051, AI763414, AL042745, AL119511, AL036999,
		AL119748, AI1	AL119748, AI174394, AL040243, AL037679,
		AL042628, AL037569,	337569, D80210, Z25783, AI696819,
		AW151136, ALC	AL047675, AL079741, AL046356, D59619,
		AW029611, AI2	AI280732, AL045266, AL079977,
		AW071349, AI6	AI608936, AL042744, AI249877,
-		AL045620, ALC	AL046926, AI591407, AW089179,
		AL047092, ALC	AL045163, AL039276, H00072, AL121286,
		AI433976, AI6	AI680162, AL045500, AL042787,
_		AI433157, AIS	AIS54821, AL049085, AIS39771,
		AI537677, AI432666,	132666, AIS00659, AI815232,
		AI648502, AI8	AI805769, AI801325, AI648663,
_		AIS00523, AI	AIS00523, AI625467, AI582932, AI923989,

	AIS	AI284517, AI500706, AI491776, AI445237,
	AWI	AI889189. AI521560.
	I A I	
	AWG	AI433968,
	AI4	AI888661,
	AIT	AI758816, AI633419, AI440252, AI610115,
	AWC	AW088903, AL045774, AL040241, AI269862,
	AIE	AI620284, AI917963, N80094, AI913452, AI520702,
	AI	AI799199, AW190042, AI932794, AW073994,
	AIG	AI889953, AI699011, AL042551, AI933785,
	BIE	AI520809, AW151785, AI537515, AI888944,
	AI	AI468872, AI344817, AI929108, AI569309,
	AI	AI796743, AW193026, AI608676, AI868831,
	AIS	AI922901, AI859464, AI364788, AL036638,
	AL:	AL119791, AI251830, AI365256, AF067797,
	AB(AB013456, X68127, AF118808, Z96142, AR062871,
	AR	AR036905, A95051, AR031374, A85477, A85396,
	AJ	AJ244003, AJ244004, AR031375, I18371, AR025207,
	000	V00745, A44171, AR018924, X73004, A63067,
	A4	A49700, A51047, A63064, AR018923, A48774,
•	A6:	A63072, A48775, AR017907, AR068507, AR068506,
		A38214, A58521, AR015960, I56772, I95540,
	AR	AR000007, AR015961, AR020969, A98767, A02712,
	AZ	A25909, I19516, AJ230933, A93963, A93964,
	19I	I63120, A95052, A64081, AR043602, AR043603,
	AR	AR043601, A95117, A18053, I06859, A18050,
	A8	A84772, A23334, A75888, I70384, A60111, A23633,
	AR	AR007512, A23998, I60241, A84776, I60242,
	A8	A84773, A84775, AR062872, A84774, AR062873,
_	A9:	A92133, AR067731, AR037157, AR067732, A86792,
	AS	AS8522, A91750, A58524, A58523, AR054109,
	A2	A20702, A43189, A43188, A20700, AF156296,
	- PA	AJ244005, E13740, Y11926, A67220, I03343,
_	AR	AR036903, A81878, I66495, I66494, I66498,
	91	I66497, I66496, I66486, I66487, D28584, A24783,
	A2	A24782, A35536, A35537, AR022240, A02135,

				PISCIA OTCCOR BULLE AND THE BLOCK SCICOR
				AR035193, E14304, A07700, I00074, I01992,
				A13392, A13393, I19517, A27396, A76773, A22413,
				I28266, I21869, I13349, AR027100, A49045,
				I44515, I26928, I26930, I26927, A58525, I08051,
				A93016, A51384, I03665, Y11923, I03664, A15078,
				A70040, AF156294, A97211, E16590, E00523,
				AR038286, I25041, I92483, AR000006, AR038762,
				D88984, I49890, I44516, U87250, A92636, I00079,
				D14548, E02221, E01614, E13364, A58526, A91753,
				I00077, AR008430, AR035975, AR035974, AR035977,
				AR035976, AR035978, D34614, AF019720, S70644,
_				AF096810, A18722, A91754, AB012117, A97221,
				AF156303, AF156302, X58217, AR064706, I07429,
				I68636, M32676, AF156304, A10361, AF156299,
				A60957, I84554, I84553, A60968, AF096793,
				Y11449, AR066482, A60985, A60990, A60987,
				S65373, Y17188, A91965, D44443, AB007195,
				X15418, I69350, AF130655, AR027069, A10363,
	_			A20701, X73003, A52326, A04710, I08250, E04616,
				X13220, S83538, Y11447, AR063812, I07888,
				E06034, Y11920, Y11587, AL122049, AF156300,
				AR066494, AR060234, I03663, AL137271, A02711,
				AF183393, AL117585, AJ000937, I89947, I48978,
				U80742, AL137463
1977	H2LAS29	887155	Preferably excluded from the	AW408152, AW263155, AA360413, AA314512
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 484 of	
			SEQ ID NO:1977, b is an integer of	
			15 to 498, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	

			NO:1977, and where b is greater		
			than or equal to a + 14.		
1978	HMEKH10	887172	Preferably excluded from the	AW341677,	AW341677, T06373, AA923375, AI902953, AI016704,
			present invention are one or more	AI817516,	AI817516, AI963720, N92756, AL037683, AW303196,
			polynucleotides comprising a	AW301350,	AW301350, AW274349, AI368745, AI345681,
			nucleotide sequence described by	AI345675,	AI345675, AW088846, AI270117, AW271904,
			the general formula of a-b, where a	AA577748,	AA577748, AL045077, AI859946, AI267818,
			is any integer between 1 to 4471 of	AI625244,	AI625244, AI679782, AW302048, AI570261,
			SEQ ID NO:1978, b is an integer of	AW029038,	AW029038, AL044940, AI696962, AW162049,
			15 to 4485, where both a and b	AI929531,	AW276435, AA843450, AA587604,
			correspond to the positions of	AI962050,	AA828047, AI061313, AA878149,
			nucleotide residues shown in SEQ ID	AA603323,	AA502175, AW191886, AI457397,
			NO:1978, and where b is greater	AW407578,	AI370475, AW021116, AW088202,
			than or equal to a + 14.	AI339850,	AI814735, AI890348, AA501784,
				AW075511,	AL038785, AI561060, AW263864,
				AA503258,	AA904211, AL138265, AA533408,
				AA177061,	AA601680, AI918421, AI567674,
				AI049722,	F17700, AA4901B3, AF085B33, U95822,
				AC006480,	AC006441, AC005102, AP000553,
				AC002492,	AL022328, AL020997, AC004217,
				AC004491,	
				AL133448,	AL034555, Z98036, AC005081, AC004967,
_				AL022318,	U91326, AL121658, AC007666, AC005562,
				AC004659,	AC005488, AC006011, AL049569,
				AC020663,	Z95152, AL133355, AC004841, AF030453,
				AL031283,	
				AC002425,	AC007055, AB023049, Z83838, AC008009,
				AF053356,	AC002565, AC007192, AL132712,
				AC005666,	AC005839, AL049795, AL033376,
_				AL034423,	AL034423, AC005529, AL022165, AC004019,
				AC005088,	AL024498, AL049830, AC004859,
				AC009516,	
				AC004228,	AL021395, Z84480, AC004531, AC006449,
	-			AF001549,	AF001549, AC000052, AF031078, AP000502,
				AC004966,	AC004966, AL022313, U91323, AC004087, Z93241,
				AC005874,	AC005874, AF134471, AF030876, AC004878,

	AC007358, AP000503,	AC007993,	AJ003147,
_	AC002477, AL035587,	587, AC004216, AL096791	AL096791,
	AF037338, AL021155,	155, AL031602, AL121603	AL121603,
	AL049869, AC008372,		AC006312, AC002301,
	AC006132, AC004983,		AC005229, AC007225, U82828,
	AL031681, AC004596,	596, AC006013, AC005531,	AC005531,
	AP001052, AC006285,		AC005154, AC006064,
			AL021937, AC005899,
	AC005764, AL031668,	668, AC005578, AC004812,	AC004812, U95740,
		AC004895, AC005940, AC005317,	AC005317,
-	AC005722, AC003	AC003041, AC007216, AP000045	AP000045,
	AP000113, AL117258,		Z98200, AC004167, AC000070,
	AP000513, AC002426,	426, AC002542,	AC002542, AL121653, 285986,
	AC002310, AC005952,	952, Z99716, AJ	Z99716, AF134726, AC005280,
		AL109952, AC003029, AL049779,	AL049779,
	AC005821, AC005	AC005057, AC006130, AC003043,	AC003043, U62293,
	AF111167, AC006581,	581, AL034548, AC005071	AC005071,
_	AC005694, AC007	AC007899, AC005484, AC005844	AC005844,
	AC004813, AC002	AC002395, AC002044, AL022326,	AL022326,
	AC002316, AC003	AC003665, AL096701, AL031680,	AL031680,
	AC004263, Z9472	1, AL022476, A	Z94721, AL022476, AL049843, AC006211,
		AC007773, AC007308, AC006547,	AC006547,
-	AC004382, AJ246	AJ246003, AC006071, AL049780,	AL049780,
		AC005520, AC002544, AC005519,	AC005519,
	AC007298, AC005	AC005193, AC002470, AL031577,	AL031577,
	AL031286, AC002	AC002558, AC004150, AC005089,	AC005089,
_		7, Z86090, ACO	Z93017, Z86090, AC005086, AC004990,
_		4, AC004796, A	Z98884, AC004796, AC005065, Z98750,
		686, AC002472,	AC004686, AC002472, U95742, AC007021,
		243, U47924, A	AL080243, U47924, AB003151, M63543,
		AC006270, AP000036, AC004820,	AC004820,
		AC000353, AL024507,	AL024507, AC002400,
		AL031178, AP000031,	AP000031, AC007151,
			AC005295, AL022336,
	AC016025, AP000	AP000952, AC006001,	AC006001, AL133353,
	AP000133, AC00	AP000133, AC005740, AF205588,	Z77249, AL031230,

				AC005911,	AC002549,	R69689	
1979	HWLWR3	887192	Preferably excluded from the	AI088434,		AA621667, AI346645, AW263010	AW263010,
	0		present invention are one or more	AI609518,	AI625220,	AI625220, AW304172, AW029222,	AW029222,
			polynucleotides comprising a	AI608891,	AI813425,	AW276382,	A1827115,
			nucleotide sequence described by	AW074235,	AI858601,	AW082804,	AI985831,
			the general formula of a-b, where a	AA669865,		AA618054,	AI795849,
			is any integer between 1 to 2472 of	AI683880,	AI281027,	AI963363,	A1623888,
			SEQ ID NO:1979, b is an integer of	AI828889,	AW192796,		AI818478, AW188700,
			15 to 2486, where both a and b	AW316981,	AW183022,	AI144179,	AI144179, AA738239,
			correspond to the positions of	AI955571,		AI128137, AA975350, AA523124,	AA523124,
			nucleotide residues shown in SEQ ID	AA161208,		AI952102, AW339226, AI589258,	A1589258,
			NO:1979, and where b is greater	AA781230,		AW337829, AA931097, AI682815,	AI682815,
			than or equal to a + 14.	AI348149,		AI000902,	AI000902, AI187264,
				AI554320,	AA284668,		AI304724, AW369971,
				AI591155,	AI149294,		AW083724, AI274754,
				AA969848,	AW026240,	AI750653,	AI750653, AI433158,
				AI350439,		AA158743, AW238819, AW192073,	AW192073,
				AA157530,		AI357834, AA464119, AA883794,	AA883794,
		_		AW176385,		AA554892, AI910051, AW362693	AW362693,
				AW337353,		AW362669, AW062307, AI750652	AI750652,
				AI188344,		I370440, R	T89676, AI370440, R74284, AI766050,
				AA100117,		AI431334, AA583615, AA284669	AA284669,
				AA973099,		I750507, A	T29593, AI750507, AA463985, AA192627,
				AI273199,		I269833, A	F06065, AI269833, AI702408, R24159,
				AI624229,		AA040727,	AI583131, AA040727, AW338259, T19421,
				AW362710,	AW362710, AA345817, AI686279, AI471394	AI686279,	AI471394,
				AI702510,	AA894583,	R39975, A	AI702510, AA894583, R39975, AI589449, AA886172,
				AW081126,	AW081126, AW362723, AW362732, AA195849,	AW362732,	AA195849,
				AI915757,	AI754103,	R74194, T	AI915757, AI754103, R74194, T19420, AA906982,
				R27515, A	11932864, R	80161, R10	R27515, AI932864, R80161, R10151, AI269834,
				AA039591,	AA158183,	AL042359,	AA039591, AA158183, AL042359, AA159558,
	-			AW369968,	R10562, A	A159112, R	AW369968, R10562, AA159112, R25662, AA039590,
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				D00244, E	301467, A21	571, A0920	D00244, E01467, A21571, A09202, A35395, A04029,
		-		X02760, I	I03932, I07	013, E0017	I07013, E00178, A10915, A10916,
	:	_		A18397, X	(02419, E00	421, E0257	A18397, X02419, E00421, E02577, E02649, I08788,

				E02832, E02493, E04897, E02578, I48917, E02708,
				E02579, E02709, E03404, E03403, E03405, X51935,
				K02286, E06063, I56011, L03546, X85801, E00853,
				A08501, E06847, E06846, E03402, I05760, X63434,
				X02724, X01648, X65651, A20747, A83180,
		_		AF097647, E01176, A76865, Z36790, I01583,
				E01603, I01586, E01178, E01604, E01177, E04615,
				A27451, A27452, E03605, E03858, A31147, A31179,
				A31178, A31148, A07733, A07732, A31150, A31181,
				A31151
1980	HADME31	887280	Preferably excluded from the	AI376391, AW044644, AA435896, AI306612,
			present invention are one or more	AA824370, AA626315, AA991266, AI192974, N78952,
			polynucleotides comprising a	AI401045, N78829, AI077370, AA448861, W68342,
			nucleotide sequence described by	AA724792, AI708684, AI370929, AI015595,
			the general formula of a-b, where a	AI401211, AW043992, AA862620, AI201717,
			is any integer between 1 to 901 of	AW005929, AI498880, AI718029, AI333236, W93038,
			SEQ ID NO:1980, b is an integer of	AI092949, AI147031, AI004135, W17346, AA027214,
			15 to 915, where both a and b	AI525556, AA447925, T98518, AA652731, AA585439,
			correspond to the positions of	AA878662, W17259, D80253, D80043, D80219,
			nucleotide residues shown in SEQ ID	D59787, D59275, AA401790, D80227, AI525316,
			NO:1980, and where b is greater	D51250, W68383, D80240, AIS41365, AA585356,
			than or equal to a + 14.	D80045, D80210, D51423, AA585440, AI541510,
				D80134, AI535660, D59619, AI541508, D80391,
				AIS26140, D80193, AIS46855, AA585101, AI535639,
				230131, AI541523, AI546828, AI526180, AI541374,
			-	AIS57731, AIS41514, Z28355, D80196, C14227,
				D80949, AI557262, T11028, AI536138, D59927,
				AI546999, AI525306, AI557238, AI143531,
				AI547039, D80168, AI342055, D80366, AI541205,
				AA585453, AA585434, AI541535, AI541307, T11051,
				AA585476, D57491, AIS56967, AI557799, C16300,
				R29445, AI525431, AIS46945, AIS40967, D81026,
				AIS57082, D50995, C14014, AI541534, C16305,
				AI525856, AI525320, AI557808, AI525328,
				AI526194, C75259, AL040155, AL041346, AL041096,
				AL047012, AL041358, AL041277, AL041163,

	ALO41098 ALO40621 ALO43538 ALO41324
_	AL044162, AL041086,
	AL041296, AL041233, AIS57084, AIS46875,
	AIS57787, AL039156, AL043441, AL041140, W25674,
	AL039150, AJ239433, AL038821, AL039085,
	AL040193, AI541013, AL043445, AI525653,
	AI526184, AA585155, AI535813, T24119, T23985,
•	AL040149, AI546899, AL045725, AL041197, D61254
	ALO43612, T24112, AL039564, AL039538, AIS57807,
	AL039108, AL039678, AI526196, AL039915,
	AL039074, AL038837, AL039625, AL039648,
	AL039629, T23888, AI541048, AL037726, AL038531,
	AL039109, AL040992, AL039924, AL040463,
	AL039128, AL044407, AL039386, AL036973,
	ALO41227, ALO39566, T23947, ALO47057, D59889,
	AL039659, AL047170, T41289, AL040119, AL047036,
	AL041292, D55233, AL041159, AL041051, AL047183
	AL040322, AL041131, AL046330, AL045341,
	AL041133, AI541509, AL041238, AL041142,
	AL045817, AL045794, AL039410, AL040529,
	AL040625, AL040510, R2921B, AL042909, AL043467,
	AL044186, AL044037, AL040091, AL040128,
	ALO40168, ALO40255, ALO40285, ALO40342,
	AL040332, AL040617, AL045684, AL040745,
	AL041347, AL040370, AL043677, AL046442,
	AL040553, AL040839, AL041752, AL043444,
	AL043775, AL044165, AL043492, AL041602,
	AR017907, AR062871, AR062872, AR062873, I13349,
_	A20702, A20700, A43189, A43188, A84772, A84775
	A84776, A84773, A84774, AR067731, AR067732,
	A58522, A91750, U87250, A02712, A18053, A95051,
	IO6859, A23334, A75888, I70384, A18050, A60111.
	A23633, AR007512, AR043601, A91965, A35537,
	A35536, A02136, A04664, A02135, A04663, E13740

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-	A11245, I60241, B12615, A02710, I60242,
	AR035193, A07700, A13393, A13392, A92133,
	AR027100, I66498, I66497, I66496, I28266,
	166486, I21869, A70040, 184554, I84553, I08051,
	A10361, I19525, A25909, A67220, D34614, X68127,
	AR025207, Y17188, A85396, I44681, A85477,
	A86792, A44171, AR038855, I66495, I66494,
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	M28262, AR066482, I68636, AR035975, AR035977,
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	A91754, A62298, AR037157, AR008430, AF082186,
	AR035974, AR035976, AR035978, AJ244004,
	AJ244005, AR008429, A49700, X81969, AJ244003,
	148927, A62300, AR054109, AJ244007, A93016,
	A98421, A98432, A98432, A98436, A98417, A98427,
	D14548, AR038762, I63120, A98767, U94592,
	Y16359, A93963, A93964, A58524, AR036905,
	A58523, AR063812, D78345, Y09813, AR022240,
	A97211, X83865, I15717, A63067, A51047, A63064,
	A63072, I15718, AR068507, AR068506, I05558,
	108396, AF118808, A95117, 108395, X73004,
	AR018924, AR018923, A48774, A48775, AR015960,
-	AR000007, AR015961, X55486, I19516, S70644,
	D88984, A23998, A95052, AR043602, AR043603,
	296142, I00074, I92483, AR038286, E03627,
_	A60212, A60209, A60210, A60211, I62368, A22738,
_	A84916, A24783, A24782, I03665, A64081, I03343,
	I03331, I00682, D50010, A81878, I03664, A77094,
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	E00609, A64973, I49890, A11178, E01007,
	AF156296, AR036903, D28584, E14304, I19517,
	A27396, A76773, A22413, E16590, A49045, E16678,
	A82653, E16636, Z32836, AF156294, E04616,
	I01992, AF149828, I25027, I26929, I44515,
	I26928, I26930, I26927, I25041, AR031488,

				113521, I52048, I44531, A90655, X58217, Y11923,
				V00745, I44516, AR031566, A58525, I01995,
				AR038066, AJ230933, AF019720, I18895, B03165,
1981	HFVJL45	887399	Preferably excluded from the	III520, A20659, E00656, E00657, A60957, E03813 AA429438, AI074616, AW008223, AI523733,
			present invention are one or more	AA969328, AI309184, AI910363, T57069, AA973222,
			polynucleotides comprising a	AW009928, AI266526, AA664093, AI808681,
			nucleotide sequence described by	AI033844, AA860930, AA256367, H49508, AI807270,
			the general formula of a-b, where a	R95740, AA256366, R95884, AW449536, AI027719,
			is any integer between 1 to 1413 of	H80516, AI674127, AI202271, T57140, T11308,
			SEQ ID NO:1981, b is an integer of	220897, AI247797, AA494323, AI866606, AI866611,
			15 to 1427, where both a and b	H49507, R20117, T18508, T81888, AI247938,
			correspond to the positions of	AI150468, T71213, AL119324, AL119399, AL134524,
			nucleotide residues shown in SEQ ID	AW372827, AL119443, AW392670, AL119391,
			NO:1981, and where b is greater	AW363220, AW384394, AL119457, AL119484,
			than or equal to a + 14.	AL134528, AL119439, AL042544, AL119319.
				AL119497, AL119522, U46346, AL119363, AL119335.
				AL119496, U46350, AL134518, U46349, AL119444,
				U46347, U46351, U46341, AI142132, Z99396,
				AL119355, AL119483, AL042614, AL119396, U46345,
				AL134538, AI142137, AL134530, AL134519,
				AL134531, AL119401, AL079687, AL037205,
				AL042980, AL042896, AL043037, L48516, AC004022,
				L76193, AC005021, AB026436, AR060234, A81671,
				AR054110, AR066494, AR069079
1982	HWLFES6	887421	Preferably excluded from the	AP061056, AF084644, AF084645, AJ009937, AJ009936
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 697 of	
			SEQ ID NO:1982, b is an integer of	
			15 to 711, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1982, and where b is greater	

			than or equal to a + 14	
5	COUCHIDA.		Litali Of Equal to a + 14.	
1983	HSWBP93	887475	Preferably excluded from the	AA218952, AA422118, AI267777, AA761846,
			present invention are one or more	AA974489, AA249308
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 509 of	
			SEQ ID NO:1983, b is an integer of	
			15 to 523, where both a and b	
		-	correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1983, and where b is greater	
			than or equal to a + 14.	
1984	HSLJF91	887535	Preferably excluded from the	AI525881, D78870, H11172, R19956, AA308077,
			present invention are one or more	AIS91060, AA350839, AIS57291, AF091352, A64392,
			polynucleotides comprising a	AB021221, S82167, X62568, M32977, A64394,
			nucleotide sequence described by	A64398, A64402, AF022375, A92244, A64400.
			the general formula of a-b, where a	X81380, M31836, M32976, AF071015, AF133248.
			is any integer between 1 to 450 of	A92248, SB5192, AJ010438, A92246, M27281
			SEO ID NO:1984, b is an integer of	A64396 A92242 AF214570 F11215 AF186216
			15 to 464 where both a and b	EISIST MADIST MAAZE SABORA XBOSOK
			correspond to the monitions of	ACCOUNT TO THE PROPERTY OF THE
			TO STOTATE OF THE POST OF THE	AF133243, AF133230, M03974, A64404, AF213726,
			nucleotide residues shown in SEQ ID	AF222779, AF215725, L20913, S38100, S37052,
			NO:1984, and where b is greater	AF062645, AF106942, AF022179, S85199
			than or equal to a + 14.	
1985	HKLSC61	887803	Preferably excluded from the	AL039924, AL045794, AW013814, T02921, T24119,
			present invention are one or more	T24112, AL036630, D51250, D80043, D80253,
			polynucleotides comprising a	DS9787, D80219, AL039629, AL039625, AL039648,
			nucleotide sequence described by	AL038837, AL039074, AL037726, AL039678,
			the general formula of a-b, where a	AL039108, AL039538, AL039564, AL039156, D59275,
			is any integer between 1 to 1219 of	AL039659, AL039566, AL039509, AL039150, D80227,
			SEQ ID NO:1985, b is an integer of	ALO44530, ALO38531, ALO39109, ALO38821,
			15 to 1233, where both a and b	AL040992, H00069, AL043423, AL039128, AL044407,
			correspond to the positions of	AL036973, AL045337, AL037051, AL045353, D80240,
			nucleotide residues shown in SEQ ID	AL039386, AL039476, AL045341, AL039423,
			NO:1985, and where b is greater	AL042909, AL043441, AL044412, AL039410,

	than or emial to a ± 14	01.044364 BI.043445 BI.038025 BI.043422 DB0210
		AL036725, D51423, D80134, D59619, D80391,
		D80193, D59927, R47228, AL043586, D80196,
		D80949, C14227, AW450335, AL039521, AL039085,
-		AL036196, T23947, AL037526, AI535783, AL037639,
	•	AW451070, D80366, D80168, AL037615, D80045,
		AI535983, AW452756, T11051, D81026, D50995,
_		C14014, C75259, AL036767, AL036117, AL039459,
		AL039842, AL036924, D59889, AL037601, AI557751,
		AL036238, C15076, AL036733, AL037082, AL036679,
		AL038851, D80022, AL036418, D80038, T23659,
_		AL037054, D80195, AL037027, AL036765, AL039504,
_		AL036158, D58283, T11417, D81030, C14429,
		AW293068, D80188, AL037047, AL036964, AL036190,
		D51799, D80378, D59467, AL036650, F13647,
		AL036191, AL037104, T03269, AL037177, AL036998,
		AL037679, D50979, D80522, T48598, D80212,
		AL037178, C14298, AL036207, AL036227, D59502,
		AL037643, Z21582, AL036132, AL036167, AA285331,
		AL037600, AW450376, AA514190, D80164, C14331,
		D59859, D59695, D80166, AI021934, AL037124,
		D80269, AW206560, D80268, AL036152, AL042334,
_		AL036174, Z25782, AL037021, D52291, D58253,
		D80024, AL048425, Z99396, AL036900, AL036139,
		D57483, AL044447, D59610, AL037085, D59627,
		D80241, AI910186, D81111, C14407, C14389,
		AW451416, H00072, T23656, AL037081, D51060,
		AL036228, AW178893, AA305409, AL037077,
		AL036268, D51079, AI763414, AL037569, AL036953,
		AW177440, AA305578, D51022, AW179328, AL039555,
		AW178775, D80014, AW378532, D80248, AL036808,
-		AW352158, AW377671, AI905856, AW369651, D51213,
		D80251, D51097, AA514188, AL036858, AW178762,
		AW177501, D80064, AW177511, AL037002, AW360834,
		D80133, AA514186, AW360811, AI557774, AW378540,
		AW352117, T02974, Z25783, AL039417, C05695.

	AW176467, AW375405, AL044413, AW135155, D80132,
	AAB09122, AW366296, AW179332, AW360844,
	AW360817, AW375406, AW378534, AW377672, D80439,
	AW179023, A85396, A25909, X68127, A85477,
	A86792, A44171, AR062871, A84775, AR062872,
	A84772, AR037157, AR062873, A84776, A84773,
	AR017907, A84774, AR067731, AR067732, A20702,
	A58522, A91750, A43189, A43188, A20700,
	AJ244003, AR036905, AR025207, A95051, A98767,
-	A38214, A95117, A95052, I56772, I95540,
	AR018924, AR031374, A93963, A93964, A63067,
	A18053, A51047, A63064, AR018923, A49700,
	I18371, A48774, AR031375, AR043602, A63072,
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-	I03343, AR020969, AR054109, AR022240, A81878,
	A58524, E12615, AR035193, A92133, A24783,
	A24782, A58523, E14304, A27396, AR027100,
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	A10361, E06034, AP156294, A64081, A67220,
	U87250, A13038, A29289, AJ244004, D34614,
	AR008430, AR029417, A71435, AB012117, I13349,
	Z96142, A97211, A07699, E08322, I74623, A71440,
-	V00745, AF156303, Y17188, A02712, X73004,
	AR028669, AR028668, AR028667, AR017908,
	AR028670, A68112, A68104, AR067733, AF118808,
	I62368, AR031488, I13521, AJ230933, A98467,
	AR029418, I52048, I44531, AR067734, A84746,
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	AR028672, 166498, 166497, 166496, AR038066,
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	AA989485, T98916, AA487702, AA297484, AA297153,
	AA464649, AA292774, AW170481, AI963760, W79558,
	AA394263, AI986058, AA903542, AW079683,
	AA487488, T98961, AI342966, AI982682, U46323,
	AA287210, AA297527, AA341051, AA861541,
	AA297453, AA557937, AA133595, AA464548,
	AA553875, AA486446, AI275661, AI719497,
	AA496440, AA481372, AI673125, AA565649, C21003,
	AA428283, T53668, AA298491, AI749779, AA421514,
	AW007555, AA411012, AI273816, NS7294, AA340864,
	AA133686, AA327635, AA411355, AJ011497,
	AC003689, AF087825, AL137550, I89947, AF069506,
	AL137480, 148978, AF159615, A70386, AF102578,
	A77033, A77035, A08910, A08909, ALOS0024,
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	AF026816, A08913, Z37987, U73682, AL110280,
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	AL117435, AL080159, AL035458, AL122050,
	AF124728, U80742, AL137548, Z97214, AL137539,
	AF087943, AL117457, AR068753, AL137533,
	AR034821, AF113019, A07588, S36676, S83440,
	E02221, X82434, Y16645, AL133113, U35846,
	Z82022, I25049, AF185576, AL080126, AF057300,
	AF057299, AF013214, AL136884, I48979, AF082526,
_	I33392, A76335, A08916, A08912, AL137292,
	AF008439, I89931, S63521, A65341, AF090903,
	AL080148, AJ005690, I49625, AF119336, AJ000937,
	AL117460, AF100752, X63574, AL133112, X63162,
	AF185614, AL122118, AF113677, AL117587,
	AL137271, AF111849, AF026124, AF180525,
	AF002672, U49908, AL117635, AF097996, AL049382,
	AL050172, AL110296, I66342, X83508, A15345,
	AF113689, AF067728, X80340, AF039138, AF039137,
	AL122093, AL050138, AF106862, AR011880,
	AL133623, AL137463, S61953, AL137283, AL050149,
	AL133619, AL137521, X72889, AL137478, AL137560,

				AF079763, AL110221, I25048, AF162270, AL117648.
				L13297, AR000496, A93914, U39656, AF090900,
				I09499, AF182215, AL133560, AB031064, AR020905,
				AL133637, U92992, AF100931, X66862, AF054599,
•				AL049938, AL133557, A93350, AL096744, AL050146,
				AF061981, A52563, X66366, AJ012755, AL080118,
				X61970, U75932, AF113694, E03348, AL133080,
				AP051325, U58996, X84990, E01314, AF118558,
				AL049452, AL133031, AF061573, AF124435,
				AF076464, AL050277, A65340, AL049283, I33391,
				AL137530, M30514, L30117, S82852, AL133075,
				AL137558, AL117440, AL049447, AL133067,
				AL133084, AL137557, AF118070, AL133640,
				AL117626, I26207, AF111851, A45787, AF106657,
				X98834, AF017437, A08908, AL049300, AL080146,
				E02349, AL137554, AL080074, AB007812, AL137529,
				Y09972, X57084, AL023657, X93495, AL137555,
_		_		AL133049, A03736, AF104032, I68732, I00734,
				AL133559, AF090934, AF145233, AL049430,
				AF113699, AF162782
1987	HWLOA40	887892	Preferably excluded from the	AA298484, AA297176, AA297147, AW001287,
_			present invention are one or more	AW300770, AI691072, AA563933, I95745
_			polynucleotides comprising a	
			nucleotide sequence described by	
		_	the general formula of a-b, where a	
.			is any integer between 1 to 507 of	
_			SEQ ID NO:1987, b is an integer of	
		_	15 to 521, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
	•		NO:1987, and where b is greater	
			than or equal to a + 14.	
1988	HCQCF10	887936	Preferably excluded from the	W15466, AI862531, AI823607, D80998, AA115712,
	,		present invention are one or more	AA410501, H66313, W37614, AF131758
			polynucleotides comprising a	
			nucleotide sequence described by	

			2 2224. 4 4 84 4 1	
			to the general lorming of and, where a	
_			is any integer between i to 332 or	
			SEQ ID NO:1988, b is an integer of	
			15 to 346, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1988, and where b is greater	
			than or equal to a + 14.	
1989	HAIBW90	887996	Preferably excluded from the	AI185821, AA481723, AA626700, AW367390,
			present invention are one or more	AA313767, AA195688, AA315033, AA479334,
			polynucleotides comprising a	AA989012, AA479641, AA479335, AA165042,
			nucleotide sequence described by	AI400160, AW370132, AI924188, AW015034, F06368,
			the general formula of a-b, where a	C15288, H89161, AA364967, AW262875, AI566873,
			is any integer between 1 to 938 of	AA371283, AI566669, AI864174, AA304171,
			SEQ ID NO:1989, b is an integer of	AI337891, AA295611, AA363869, T34361, C16344,
			15 to 952, where both a and b	T35252, AA374955, C16080, AI758577, AA406614,
			correspond to the positions of	AW131846, AI811951, T19059, AW087747, AA777509,
			nucleotide residues shown in SEQ ID	AA934901, N40173, R46865, AW157527, AI374781,
			NO:1989, and where b is greater	AI379523, H64413, AI371781, R78607, AW173107,
			than or equal to a + 14.	AA532727, AI742506, AA195689, AA235284,
				AA363917, AI801399, AI081113, AA295789,
				AI742505, AI087379, AA527113, AA527036,
				AA373921, AI952545, AI269215, AI245243,
				AA302499, AI792601, AA600140, AI040546, H92421,
		_		C16267, AI805770, Z24901, AA625963, AI139790,
				AI360032, N40209, AI084568, D57610, AI753737,
				C16455, R35721, AA159931, AI024890, AI869836,
				AI829158, AI804015, AA477326, AA430365,
	_			AI640196, N30689, AI371005, AA478600, AA256968,
				AA021044, AA657967, AW072764, N41298, AA905154,
				AA758776, AI955815, AA865424, AI857650,
				AI091988, AW242058, H92638, AA234867, AI864141,
				AA252106, AA424350, AA302462, AI468749,
				AW090440, AI336687, AA732498, AA302463, C16184,
				R78608, AW085952, AI934133, AI269595, AI422703,
				F05286, R46768, C16334, AB006077, AF006484

1990 H	H2CBE03	888041	Preferably excluded from the	AA307070, D80268, D80366, F13647, C14389,
			present invention are one or more	C06015, D80522, AA305578, C14227, AW369651,
			polynucleotides comprising a	D50995, AW177440, D51022, D81026, C14331,
			nucleotide seguence described by	D81111, D80391, D80248, D59787, AW178986,
			the general formula of a-b, where a	DS8283, D59619, D80210, D80240, D50979,
			is any integer between 1 to 592 of	AA514188, D80195, AA305409, D80196, D59859,
			SEQ ID NO:1990, b is an integer of	D80022, D80043, D80166, D59927, D59467, D51423,
			15 to 606, where both a and b	D51799, D80164, D59275, D80253, D80038, D80227,
			correspond to the positions of	D59502, D80212, D81030, D80219, D51060, D80188,
			nucleotide residues shown in SEQ ID	Z21582, AA514186, D59889, D80439, C15076,
			NO:1990, and where b is greater	D59653, D80269, D59610, D57483, D80193, D80045,
			than or equal to a + 14.	D80024, T03116, D80247, D80064, AW378533,
				D80378, D51759, D80241, C14014, T03269,
				AW178893, D80133, AW178906, D80302, D80168,
				C14407, D80157, AW360811, AW178759, D51103,
_				C75259, AW378540, D80251, D80949, AW352120,
				AW377671, AW375405, C14298, AW179328, C05695,
				AW378532, D52291, D45260, AW366296, AW360817,
				T02974, AW179020, AW375406, T48593, AW378534,
				AW179332, AW377672, AW378528, AW179023,
				AW178905, AW352158, D51250, AW177731, AW178762,
				AW178754, AW179019, AW179024, D59373, C05763,
				D51213, AI557751, D80134, H67854, C03092,
				H67866, D80132, AA809122, AW179004, AW360834,
				T11417, D59627, AW177456, AW377676, AW352171,
				AW352170, AW178907, AW178908, AI525923, C14077,
				AW367950, AW378520, C14973, C14344, AI525917,
				D59317, D58246, D80258, AW179012, AW178980,
				D80014, AW177733, D59503, AW179018, AW178914,
				AW178774, C14046, D51221, D60010, D59474,
_				AIS57774, D58101, AI525920, AA514184, AW378525,
_				AI535686, AW378543, AW178911, AW352163, C14957,
				AW178781, D59551, AI525227, D80228, AA285331,
				AW177728, AI525235, C16955, AI525912, AI525922,
				AI905856, D45273, AI525242, Z33452, AI525925,
				AI525237, AI525215, AA305720, AW378542, C13958,

				H67858, T03048, AI525222, T02868, F13796, AW360855, Z30160, D31458, D51053, D79997,
				L76158, X95351, AJ132110, A84916, A62300,
				A62298, AR018138, AR008278, AF058696, AB028859,
				A82595, AR060385, I82448, AB002449, I50126,
				I50132, I50128, I50133, X67155, Y17188, D26022,
				A25909, A67220, D89785, A78862, D34614, Y12724,
				AR016514, X68127, A94995, AR060138, A45456,
				A26615, AR052274, AR066488, Y09669, A43192,
				A43190, AR038669, I14842, AR008443, AR066487,
				AR054175, D88547, A30438, Y17187, A63261,
				X82626, AR008277, AR008281, D50010, AR062872,
				A70867, AR016691, AR016690, U46128, AR016808,
				AR008408, AR025207, X64588, A64136, A68321,
				I79511, D13509, AR060133, I18367, AF123263
1991	HE9Q119	888051	Preferably excluded from the	AL043100, AL045367, AL042404, AA326785, R34387,
			present invention are one or more	AL042017, U82535, AB027132, U72497, AF098012,
			polynucleotides comprising a	U82536, AF097999, AF098010, AF098011, AL050372
			nucleotide sequence described by	
		_	the general formula of a-b, where a	
			is any integer between 1 to 1083 of	
			SEQ ID NO:1991, b is an integer of	
			15 to 1097, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:1991, and where b is greater	
			than or equal to a + 14.	
1992	HJACE25	888063	Preferably excluded from the	AL110457, AA311008, AA732444, N40873, W95689,
			present invention are one or more	AW027795, AI521613, AI282709, AA313089,
			polynucleotides comprising a	AI694158, N30086, AA278139, AI419081, AA767732,
			nucleotide sequence described by	AI918715, D80391, D80196, AI282428, D59787,
			the general formula of a-b, where a	
			is any integer between 1 to 889 of	D80253, D59619, D80210, D80240,
			SEQ ID NO:1992, b is an integer of	D80188, D80212, D81030, D57483, D80195, D59889,
			15 to 903, where both a and b	D80219, D59610, D80043, D59467, D59502, D59927,
			correspond to the positions of	D80022, D80366, D59275, D80193, D80241, D80378,

	nucleotide residues shown in SEQ ID	D80024, D50995, D50979, C75259, C14429, D80164,
	NO:1992, and where b is greater	T03269, D80045, C14389, C14331, C15076, C14014,
	than or equal to a + 14.	D51060, AA305409, AA352266, D80134, AW178893,
		D51250, C14227, D81026, D80949, D80268, F13647,
		D58253, AW178775, D51079, AW177440, D80168,
		D51022, D80522, D81111, AW179328, Z21582,
		AW352158, AW378532, AA305578, DS9695, AW177501,
		D80251, AW177511, AW369651, AA557885, D52291,
		D80248, AI905856, AW178762, AA514188, C14298,
_		D80064, AA514186, D80133, AW352117, D51097,
_		AA285331, AW360811, AW378540, AW377671, C14407,
		AW375405, AW360844, AW360834, AW366296, D80439,
		D80132, AW360817, AW375406, AW378534, AW352171,
		AW179332, AW377672, AW179023, AW377676,
		AW178905, AW178754, AW179018, AW179024,
		AW179220, AW177505, T03116, AW360841, AW179020,
		D80302, AW178909, AW177456, AW352170, AW178906,
		AW177731, AW178907, AW179019, AW178971, D80247,
		AI557751, AW179004, AW179329, T02974, AW352174,
		AW179012, AW178980, D80014, AW177733, AW378528,
		AW178908, AW378543, T11417, D80157, AW179009,
		AW178914, AW378525, D51103, D51759, AW367967,
		AW178983, AW352120, D58246, AW177728, AW178774,
		AW178781, AW178911, AW352163, D58101, C06015,
		AI557774, T48593, AW378539, D80258, D59503,
		D51213, D59627, D45260, H67854, D50981,
		AW378533, AW367950, AW178986, AI525923, D45273,
		C03092, H67866, AA809122, AW177734, AI525917,
		Z33452, DS9474, AI525920, D51221, D59317,
		C14344, C14973, AA514184, T03048, AA033512,
		AI525227, AI535686, AW179013, AW178759, D59551,
		AF080255, AF073771, A62298, A84916, A62300,
	•	AJ132110, X67155, AR018138, D89785, Y17188,
		A67220, A78862, D26022, A25909, D34614, D88547,
		AR025207, AR008278, X82626, AF058696, AB028859,
		AB012117, Y12724, X68127, A85396, AR066482,

			A44171, A85477, I19525, A86792, A82595, U87250, X93549, A94995, AR060385, AR0603449, AR016808
			AR008443, I50126, I50132, I50128, I50133,
			AR066488, AF135125, AR016514, AR060138, A45456,
_			A26615, AR052274, Y09669, A43192, A43190,
			AR038669, AR066487, AR066490, A30438, I18367,
			D88507, I14842, AR054175, AR008277, AR008281,
			D50010, Y17187, X64588, AB033111, A63261,
			AR064240, AR008408, AR062872, A70867, AR016691,
			AR016690, U46128, D13509, A64136, A68321,
			AR060133, I79511, Z32749, U87247, AB023656,
-	-	_	AF123263, X93535, AR008382
1993 HMWIR85	R85 888153	Preferably excluded from the	AA195033, AW150723, AI805372, AI826894,
		present invention are one or more	AW245532, AW250255, AW269478, AI929681,
		polynucleotides comprising a	AI814415, AI984552, AI081263, AW178616,
		nucleotide sequence described by	AW352048, AW352014, AW250589, AW178530,
		the general formula of a-b, where a	AI688093, AW352019, AW178493, AW178640,
		is any integer between 1 to 2985 of	AA861507, AW178500, AI146435, AW178537,
		SEQ ID NO:1993, b is an integer of	AA514698, N51685, AW352042, AW352039, AW366094,
		15 to 2999, where both a and b	AW352051, W44438, AW178535, AW178604, AI608989,
	_	correspond to the positions of	AW178504, AW352041, AW352035, AA936386,
		nucleotide residues shown in SEQ ID	AA573323, AW178641, AW178529, AI566475,
		NO:1993, and where b is greater	AA928767, AI963685, AW178642, AA826410,
		than or equal to a + 14.	AW178605, AA648798, AA250731, AW178506,
			AI360338, AA865431, AI342420, AI439684,
			AI351346, AI039102, AI355698, AI870134,
			AI308956, AI820041, AW178495, AA502283,
			AI015535, AI096589, AI683046, AI884370,
	-7		AI473866, AW178634, AW178667, AA495743,
			AW178531, AW178614, AA196630, AA533557,
			AI090332,
			AI370758, AW178536, AW366100, AI832020,
			AI859889, AI571925, AI274028, AA024855,
			AA206040, AA583100, AW178507, AW178533,
			AW178615, AI289830, AW352018, AA636082,
			AW178672, AI220039, AA654736, AI831555,

			AW246444, AI080500, AW352027, AW366090,
			AA467947, AW178499, AA722956, N59119, AW366110,
			AW178511, AI289407, AA478574, AW366108,
			AW366085, AW178670, N93845, AA640678, N35617,
			AW366113, AA665800, AI971078, AW352022,
			AA482749, AW366082, T35187, AA187140, AA732528,
			AL040485, AI699027, AL048191, AL048192,
			AI357406, AI446512, AW366088, AI655160,
			AA478709, AW178516, AA759075, AW366107,
_			
			AW130860, AI051515, AW366098, AA651674,
			AA211795, AA211028, AW366081, AW366095, R56468,
			H72835, AI300727, N58601, R56467, AA471174,
			AW366092, AA074578, AA173306, AI867698, R43285,
			AW366087, T36005, R17987, AI370429, H72389,
			Z25130, AA196912, AA494312, AW178538, F08926,
			AA313413, AA636095, AA173215, AL135270,
			AW352028, W44497, F11265, AI929035, AA828212,
	_		AI289815, AA456024, T85429, AA253435, W40299,
			AW178505, AW249489, AW178527, AA181660, T35188,
			AW178492, AA367321, AW178631, AA332841, 241942,
			AW178633, AW178630, AI250164, AA922875,
			AI634989, T83973, T85838, Z28803, AW178644,
			T74206, H78935, H80408, T35534, T74205, F15248,
			H80409, AA471318, H71931, AW352024, AW352025,
			AI767357, AI915730, AA214391, W26819, N51783,
			T90953, T35336, H91061, AW351670, N56034,
			AW178526, T35316, F15255, R18867, AW352033,
_	_		AI274653, AA092564, R43478, AA480524, R37293,
			AW366117, AA580662, AW178494, AA404508, R18915,
			AI587130, AW178674, W27395, T81825, AA258411,
			AA455384, AA370020, AW178518, AW366099,
			AA903360, AF046001, AC005899, AB013357, X74802,
			Z58362, Z62704, AA035153, AA195198, AA747754,
			AA878252
1994 HCRPV38	888254	Preferably excluded from the	W68102, AA005326, AA447946, AA101751, W67683,

			present invention are one or more	AA889641, AF05/172,	AA889641, AF05/172, Y11151, AP000351, AP000350,
			ליים ביים ביים ביים מו ליים ביים מיים ביים ביים ביים ביים ביים ב	204 / 10, AFOUNDED, AF	244111, AFUNDSSZ, AFUS/11/3, ESGSUS, USGSSO,
			nucleotide sequence described by	D10026, U48419, U48420, X98056	120, X98056
			the general formula of a-b, where a		
			is any integer between 1 to 324 of		
			SEQ ID NO:1994, b is an integer of		
			15 to 338, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:1994, and where b is greater		
			than or equal to a + 14.		
1995	HSRBB92	888402	Preferably excluded from the	A1992179, AW188159, AI926499, AI926498,	AI926499, AI926498,
			present invention are one or more	AI763400, AI421095, AA862284, AI720384,	AA862284, AI720384,
_			polynucleotides comprising a	AI869696, H38016, AA	AI869696, H38016, AA831687, AA307183, AI018137,
			nucleotide sequence described by	AA486789, AA974505, AI090091, AA452882,	AI090091, AA452882,
			the general formula of a-b, where a	AA884683, AI740894, AA432181, AA159901,	AA432181, AA159901,
			is any integer between 1 to 2332 of	AA918138, AA758089,	AA918138, AA758089, AA974498, N21230, AA905692,
			SEQ ID NO:1995, b is an integer of	AI123002, AI923636, AI361685, AA431160,	AI361685, AA431160,
			15 to 2346, where both a and b	AW188033, AA664029, AW366681, AI318079,	AW366681, AI318079,
			correspond to the positions of	AI015094, AI125440,	AI015094, AI125440, N27905, AI239567, AI720492,
			nucleotide residues shown in SEQ ID	N27509, W70189, AA12	N27509, W70189, AA129411, AA486964, AA047262,
			NO:1995, and where b is greater	AA745630, AA962542, AA622987, AA761345,	AA622987, AA761345,
			than or equal to a + 14.	AI476363, AW361963, AA165010, AA136547,	AA165010, AA136547,
_				AA826442, W27215, A	AA826442, W27215, AA173158, AI358157, H53700,
				AW407265, AA953388,	AW407265, AA953388, N21070, AA768158, R51769,
				AAS15123, AA063525,	AAS15123, AA063525, R70834, AI220536, F37121,
				AAB45912, AW407373,	AA845912, AW407373, W22674, AI381262, R51770,
				R32559, W70062, H536	R32559, W70062, H53699, Z40510, AA854028,
				AA214484, AA905868,	AA214484, AA905868, T81857, AA831837, AI497849,
			_	AI936784, AI184454,	AI936784, AI184454, H65537, W02660, W25730,
				AA908937, C02652, A	AA908937, C02652, AA355806, AA883739, C03254,
				W23216, R91464, AA98	W23216, R91464, AA983747, F24286, AI091283,
				AA040178, AI221931,	AA040178, AI221931, AA632020, AA680078, R70782,
_				AW340183, N63460, RT	AW340183, N63460, R72023, AA214403, AI910370,
				AA359073, AA969208, AA977551, AI292225,	AA977551, AI292225,
		_		AA993649, AI828995,	AA993649, AI828995, Z44657, AA359273, AA057148,

				4 00000		010000
				A4/0/540, A	AA/U/340, AMS4UBID, AABISSBS, DBIB/I, ASS242,	Dole/1, A36242,
				H81487, A12	H81487, ALZ18047, AL190091, AA453052, AW138451,	453052, AW138451,
				AW294322, A	AW294322, AW452108, AI766143, AW140098,	AW140098,
				AI832222, A	AI832222, AW292106, AJ271408, AF132938,	AF132938,
		-		AF106798, A	AL133631, AR007449, 0	U39643, AF094700
9661	HSYEA10	888523	Preferably excluded from the	AI037890, A	AI037890, AW003999, AI858060, AW084608,	AW084608,
			present invention are one or more	AI589010, A	AI589010, AW304188, AW117854, 1	AI038497,
			polynucleotides comprising a	A1452673, A	AI452673, AI743739, AI147810, AA181048,	AA181048,
			nucleotide sequence described by	AA187507, A	AA187507, AA081006, AA082736, AA187264, N94407,	AA187264, N94407,
			the general formula of a-b, where a	AA187361, A	AA187361, AA181882, AI079886, AA181880,	AA181880,
			is any integer between 1 to 2007 of	AA188249, A	AA188249, AI445147, AI471432, 1	W49496, AA100829,
			SEQ ID NO:1996, b is an integer of	AA503656, A	AA503656, AA081230, AA182826, 1	W47343, AA182830,
			15 to 2021, where both a and b	AA181134, A	AA181134, AI085755, AA132297, AI076956,	AI076956,
			correspond to the positions of	AI613182, A	AI613182, AA081149, AA188049, AA186634,	AA186634,
			nucleotide residues shown in SEQ ID	AI081490, A	AI081490, AA186808, AI918426, AA186376,	AA186376,
			NO:1996, and where b is greater	AA081282, A	AA081282, AA082516, AA186389, AA081208,	AA081208,
			than or equal to a + 14.	AA582862, A	AA582862, AA147528, AA157628, AI082493,	AI082493,
				A1282835, N	AI282835, N94510, W49497, AA181875, AA191501,	1875, AA191501,
				AA083542, A	AA083542, AA157752, W47445, AA101069, AA186754,	101069, AA186754,
				AA081283, A	AA081283, AA182682, AA186393, C06085,	C06085, W39354,
				AI800644, A	AA157468, AA186973, AA374217,	AA374217,
				AA386155, W	W23960, T27821, AA083575, AI654536,	13575, AI654536,
_				AA308204, W	W52714, AA852603, AI270203, AA188296,	270203, AA188296,
_				AA852324, A	AA852324, AA852602, AA143331, AW449628,	AW449628,
				AA083541, A	AA083541, AA372360, AA158121, AA186524,	AA186524,
				AA304334, A	AA304334, AI932880, AA187348, W60270, AA308786,	W60270, AA308786,
				AA188042, A	AA188042, AA157416, T18504, AA143201, C02231,	N143201, C02231,
				C02091, AA1	C02091, AA156273, AA157642, AA100067, W56826,	\100067, W56826,
				WS6827, AAS	W56827, AA514656, AW376428, W31070, AW376420,	11070, AW376420,
				AI912469, X	AI912469, X54925, X05231, I01070, AF148882,	170, AF148882,
				X54724, X58	X54724, X58256, A47086, U78045, S75623, M17821,	5, S75623, M17821,
				M15996, M17	M15996, M17822, M17823, M16567, U78629,	7, U78629,
				AJ002550, N	AJ002550, M25663, AR040773, AF023338	7023338
1997	HE2CC22	888673	Preferably excluded from the	AW368993, 2	AW368993, AI638166, AW297766, AI041204,	AI041204,
			present invention are one or more	AL042348, P	AL042348, AI478737, AI760185, AI830441,	AI830441,
			polynucleotides comprising a	AI126299, A	AI126299, AI217176, AI092924, AI799277,	AI799277,

			nucleotide sequence described by	AI857759,	AA993596,	AI857759, AA993596, AI381442, AI620345,	5,
			the general formula of a-b, where a	AI027099,	AA743334,	AI027099, AA743334, AI827435, AI138805,	۵,
			is any integer between 1 to 1941 of	AA136171,	AI285950,	AA136171, AI285950, AI635387, AA664373,	3,
			SEQ ID NO:1997, b is an integer of	AI827427,	AI015864,	AI827427, AI015864, AI222122, AA843185,	5,
			15 to 1955, where both a and b	AA976953,	AW021642,	AA976953, AW021642, AI685358, AW195005	2,
			correspond to the positions of	AI206601,	AW023027,	AI206601, AW023027, AW450169, R80985, AA813995,	AA813995,
			nucleotide residues shown in SEQ ID	T78995, A	1912496, A	T78995, AA912496, AA926963, AW451943, AI249890,	AI249890,
			NO:1997, and where b is greater	AW269181,	AW026792,	AW269181, AW026792, R68431, AA731014, AW074050,	AW074050,
			than or equal to a + 14.	AA922059,	AA757551,	AA922059, AA757551, H12605, AA689507, W79832,	W79832,
				AA412149,	AW135157,	AA412149, AW135157, AW071659, R49066, AA056573,	AA056573,
_				AA278795,	H91438, A.	AA278795, H91438, AIS67760, H12655, AA804916,	AB04916,
				AA040923,	AA721747,	AA040923, AA721747, T78939, Z41658, AI767505,	1767505,
				AA766306,	AA987389,	AA766306, AA987389, AI538809, R68430, R26542,	R26542,
				AA056678,	AA353814,	AA056678, AA353814, H91332, R80785, R25352,	25352,
				AA361014,	AA536104,	AA361014, AA536104, AI699602, R57916, AA278600,	AA278600,
				AA040922,	AB007949,	AB007949, X65024, D21089	
1998	HOUAC22	888708	Preferably excluded from the	AI821479,	AI739517,	AI821479, AI739517, AW082828, AA533173,	3,
			present invention are one or more	AI198451,	AA532999,	AI198451, AA532999, AI821509, AI791624, U25936,	4, U25936,
			polynucleotides comprising a	AA315607,	AI000331,	AA315607, AI000331, AW139172, AA358875	5,
			nucleotide sequence described by	AI125295,	AI125295, AI216275, AW005074	AW005074	
			the general formula of a-b, where a				
			is any integer between 1 to 1144 of				
			SEQ ID NO:1998, b is an integer of				
			15 to 1158, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:1998, and where b is greater				
			than or equal to a + 14.				
1999	HHECU01	888720	Preferably excluded from the	AA853396, AC005041	AC005041		
			present invention are one or more				
			polynucleotides comprising a				
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 1113 of				
			SEQ ID NO:1999, b is an integer of				
			15 to 1127, where both a and b				

			correspond to the positions of					
			nucleotide residues shown in SEO ID					
			NO:1999, and where b is greater					
			than or equal to a + 14.					
2000	H2LAP34	888783	Preferably excluded from the	AA314278,	AA314278, AA315476, AA133008, AW301013,	AA133008,	AW301013,	
			present invention are one or more	AA314092,	AA314092, AA386092, AA411572, AA427682,	AA411572,	AA427682,	
			polynucleotides comprising a	AA315987,	AA315987, U46281, W76038, W42816, AA314613,	6038, W428	316, AA314	,613,
			nucleotide sequence described by	AA477668,	AA477668, H52355, C17482, AA477851, AA481359,	7482, AA47	7851, AA4	181359,
			the general formula of a-b, where a	R83104, AJ	R83104, AA410758, W02292, W79944, AA329443,	12292, W799	944, AA325	1443,
			is any integer between 1 to 464 of	R46315, W	R46315, W07627, AW366382, AA335138, R83126,	6382, AA3	35138, R83	1126,
			SEQ ID NO:2000, b is an integer of	AA302305,	AA302305, W19402, H27934, AA659027, AA411998,	7934, AA6	59027, AA4	111998,
			15 to 478, where both a and b	AA151635,	AA151635, AA366470, AA358810, AA053648, T49358,	AA358810,	AA053648,	T49358,
			correspond to the positions of	AA378171,	AA378171, R48529, AA159070, AA838273, T62103,	159070, A	4838273, T	62103,
			nucleotide residues shown in SEQ ID	AA429117,	AA429117, AA158752, AA134180, AW376226,	AA134180,	AW376226,	
			NO:2000, and where b is greater	AA149262,	AA149262, AA410673, U92985, AR065358	U92985, AI	2065358	
			than or equal to a + 14.					
2001	HNTAR08	888950	Preferably excluded from the	AW236102,	AA218985,	AA906740,	AA737950,	
			present invention are one or more	AA220991,	AA926805,	AA926805, AA206111,	AA206112,	
			polynucleotides comprising a	AI653195,	AA865714,	AA865714, AA220997,	AA968722,	
			nucleotide sequence described by	AA218991,	AI962654,	AI357043,		
			the general formula of a-b, where a	AI970161,	AW025944,	AW025944, AA902285,	AI655507,	
			is any integer between 1 to 1247 of	AW003483,		AA902779, AI824839, AI917697,	AI917697,	
			SEQ ID NO:2001, b is an integer of	AI671508,		AI962316, AA074560, AR040708, S52658,	AR040708,	. S52658,
			15 to 1261, where both a and b	AR040709			,	
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:2001, and where b is greater					
			than or equal to a + 14.					
2002	9НМТМН	889136	Preferably excluded from the	AI694583,	AI694583, AA280341, AW369780, AI572844,	AW369780,	AI572844,	
	9		present invention are one or more	AA968512,	AA968512, AI250884, AI798375, AI370669,	AI798375,	AI370669,	
			polynucleotides comprising a	AW181892,	AW181892, T06923, AW293265, AA947819, AAS98509,	1293265, AJ	4947819, A	AA598509,
			nucleotide sequence described by	AL035420,	AL035420, AL050030, AL022727, AC004129, AC005082	AL022727,	AC004129,	, AC005082
_			the general formula of a-b, where a					
			is any integer between 1 to 1517 of					
			SEQ ID NO:2002, b is an integer of					
			15 to 1531, where both a and b					

			correction to the positions of					
			nucleotide residues shown in SEO In					
			than or equal to a + 14.					
2003	HWLCJ12	889263	Preferably excluded from the	AI632964,	AA826324,	C06338, A1	AI632964, AA826324, C06338, AI547059, AA622862,	622862,
			present invention are one or more	AI890787,	AA775044,	AA621523, AA585439,		228355,
			polynucleotides comprising a	AI525556,	AIS25556, AIS41374,	AA585453, AI535639,		230131,
			nucleotide sequence described by	AI546999,	AI546855,	AI546999, AI546855, AI541514, AI525316,	AI525316,	
			the general formula of a-b, where a	AI541510,	AI525306,	AI541510, AI525306, AA585101, AI541523,	AI541523,	
			is any integer between 1 to 2319 of	AI557731,	AA585434,	AIS41534, AIS41365,	AI541365,	
			SEQ ID NO: 2003, b is an integer of	AI526140,	AI541509,	AI546828, AI525431,	AI525431,	
			15 to 2333, where both a and b	AA585440,	AISS6967,	AA585440, AI556967, AI526194, AI541017,		C15189,
			correspond to the positions of	AIS40967,	AI547039,	AIS57262,	AIS40967, AIS47039, AIS57262, T11028, AIS57807,	557807,
			nucleotide residues shown in SEQ ID	AIS41535,	C16300, A	IS57799, Ai	AIS41535, C16300, AIS57799, AIS41205, AIS46945,	546945,
			NO:2003, and where b is greater	D61254, R.	29445, AI54	41307, AIS	D61254, R29445, AI541307, AI535813, AI557787,	7787,
			than or equal to a + 14.	AI546899,	AI557238,	R28735, AI	R28735, AL040510, AL040625,	040625,
		_		AL045817,	AL045817, AL041142,	AL041238, AL041133	AL041133,	
				AL047183,	AL047183, AL040322,	AL041131, AL046330,	AL046330,	-
				AL041051,	AL041051, AL041292,	AL040119,	AL047036,	
				AL047170,	AL047057,	AL047219,	AL041227,	_
				AI525653,	AL040463,	AL039915,	AL043612,	
				AL041197,	AL040155,	AL041346,	AL040529,	
				AL041096,	AL047012,	AL041358,	AL041277,	
				AL041163,	AL041098,	AL040621,	AL043538,	
			-	AL041324,	AL040464,	AL044162,	AL041086,	
				AL043496,	AL041296,	AL041233,	AI526180,	-
				AL043467,	AL041159,	AL045725,	AL044186,	
				AL041140,	AL040193,	AI557082,	AI526196,	
				AL044037,	AL040091,	AL040128,	AL040168,	
				AL040255,	AL040285,	AL040342,	AL040332,	
				AL040617,	AL040553,	AL045684,	AL040745,	
				AL040370,	AL043677,	AL046442,	AL040839,	
				AL041752,	AL040149,	AL043775,	AL044165,	
				AL043492,	AL041602,	AL045920,	AL041278,	
				AL038838,	AL040253,	AL040253, AL044074,	AL041635,	
				AL045990,	AL040458,	AL040458, AL044199, AL044187,	AL044187,	

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	AL043537, AL039338, AL042135, AL044064,
	AL038983, AL039316, AL043923, AL043814,
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_	AL040768, AL037727, T23985, AL040576, AL046994,
	AL040414, AL040571, AL046914, AI142134,
	AL045753, AL044274, AL079878, AL049018, D57491,
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	AL043444, AL041246, AL040472, AI546875,
	AI535660, AL040238, AL041955, AL041347,
	AL038761, AI541048, AL040075, AA585476,
	AA585356, AI540920, T23957, AI526184, C16305
-	T41289, AL080031, AI541013, AL045989, AI536138,
	AL046147, R29177, AI526073, T23888, AI557155
	AI541345, AL042096, AL037436, AL044529,
	AI525328, AI526187, AL039643, AI525203,
	AL037435, AL039360, AI557808, AI541415,
	AL044125, AIS57279, D55233, AIS41390, AA174170,
	R29218, AL079852, T18597, AI525339, AI557802,
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	X83865, A84772, A84776, A84773, A84775, A84774
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		AJ244007, A58524, I49890, I48927, A58523,
		A02712, A77094, A77095, I84553, A81878, A95051,
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		A60111, A23633, AR007512, I08396, I00682,
		A11623, A11624, E00609, E13740, A11178, E01007,
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		A02135,
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_		I21869, I44516, A70040, E16678, A82653, E16636,
		A24783, A24782, A92133, A95117, A90655,
		AF149828, I01995, I08051, AR031566, I25027,
		I26929, I44515, I26928, I26930, I26927, I60241,
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		AR009151, I66485, I66483, I66484, I66498,
		I66497, I66496, AR027099, I66487, I66486,
	,	AR038066, E00696, AR051652, AR051651, Y09813,
		Z32836, AJ230935, D50010, AJ230902, I66495,
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		A83643, I66488, I66489, I66490, I66491, I66492,
		I66493, A83151, AJ230951, AJ231009, A22738,
		I08389, X07299, A70872, D13316, I19525,
		AR035975, AR035977, D13509, AB025273, I18302,
		AR051957, A70869, E12584, AR035974, AR035976,
		AR035978, AC005913, E17098, AJ231028, A91752,
		A22734, AR022273, AJ230867, AR064707, AR054723,
		A32110, AJ230845, I36244, AR051864, AF006072,
		X55486, AR051865, A06631, S60422, A62298,
_		AR009152, AR050070, X82786, AJ231011, U87250,
		Z30183, A68112, A68104, A82595, A82593, I15353,
		AR063812, A24548, A24546, Y14219, AR027319,
		A91751, AR027318, A06419, A21892, A23997,
		A68114, A89633, A89634, A21895, A05160, A08030,

			A20502, X87559, I05488, I61310, A60961, A60977,
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2004 HNGEF72	889299		AL044543, AI791864, AI792362, AI887776,
		present invention are one or more	AW118108, AA132199, AI110605, AI239787,
		polynucleotides comprising a	AI806055, R71461, AA306731, AA034255, H53686,
		nucleotide sequence described by	AI741660, H82553, N28450, AI452969, AA318128,
		the general formula of a-b, where a	C16668, H49190, AW043837, AA251931, AW051344,
		is any integer between 1 to 2385 of	H43461, AI167640, AA001337, AA025373, AI082161,
		SEQ ID NO:2004, b is an integer of	H27161, AA328744, AI203499, AA156782, U25759,
		15 to 2399, where both a and b	AA303132, AI638569, AI052532, AA091675, R99679,
		correspond to the positions of	AI278003, AI720617, AW051583, AA804776,
		nucleotide residues shown in SEQ ID	AA319103, AW148694, AA029525, AW247858,
		NO:2004, and where b is greater	AW021737, AI140193, AW055259, AA565273,
		than or equal to a + 14.	AA642437, AI240825, AI248594, H72148, AA156851,
			AA573394, AA029460, AA359482, T50440, AA018596,
			AA214611, AA634569, AA725707, AA709248,
			AA536183, AW082332, AA361479, AA447253,
			AA447268, AA353770, AI567232, AA962385,
			AA709244, AA767996, AI766591, AI358947, C18192,
			C16865, AW193910, AWZ35731, AA707012, AW304793,
			AA352835, AI939507, R10615, AA382271, AI061368,
			R08159, AA669229, AI085658, T91022, AW206558,
			R86259, AI276029, AI561192, N74387, AA131938,
			N74439, AW439563, AA013432, AI753280, AI267829,
			AI189108, W04994, R28492, N52383, T85708,
-			AL031769, AC007970, AL034426, AC005697,
			AC002065, AC008082, AC006010, AC009286, D87009,
-			AC009241, A90827, Z92545, AC009399, AJ243211,
			AL022400, AC004460, AL021917, AC004382,
			AC006522, AC007270, 299569, AC005323, AC006083,
			AC005681, AC007788, Z98751, AC005731, AC000085,
			AL031684, AC009396, Z97180, U40455, AL117351,
			AC006024, AL109954, AC009514, AC006500,
			AL132994, Z98172, AC002094, AC004553, AC004993,
	•		AC006153, AC005488, AL034347, AC003681,
			AL109654, U66083, AF109718, AC004844, AL031672,

			ı
		AC006151, AJ006995, AC006518, U82672, AL078643,	_
		AL021878, 298748, AC000100, AL023806, AL035409,	
		AC007002, Z81009, AC002523, AC007967, U82696,	
-			·
		AC002497, AC006007, AC006080, AC000055,	
		AC010168, AL035534, Z86064, AC003046, Z82170,	
			
		AC006166, AC003086, AL109922, AC006957,	_
		AB023051, Z77853, AP000512, Z97206, Z77249,	_
_		AL022318, AC004006, AC006062, Z84486, AC004112,	
		AP000500, AC006370, AC007786, Z95114, AB019440,	_
-		AF064859, Z95115, AC007253, AC006484, AC006262,	
		AL021408, AL021997, AL031683, Z84718, AP001068,	_
_		AF064858, AC004948, AC006504, AC007785,	
		AP000542, AC006366, AC004047, AP000351,	_
		AC006017, AJ011932, Z84814, AC011422, AP000350,	
		AC005562, AJ011930, AL109985, AC005010, Z98949,	_
		AC008170, AC007151, AJ239321, Z98304, Z80361,	
		AC010436, AC007030, Z95703, AC006118, Z72001,	
_		AL022160, AB003151, AP000688, Z83839, AC005534,	
		AL034399, AF000573, AP000689, AC002386,	
		AC003029, AC005228, AC005185, AC009946,	
		AC007099, AL031662, Z75889, AL034421, AC004825,	
		U80460, Z95152, AC006840, AC005870, AC007999,	
		AE000658, AP000352, AC005886, AC005365,	
		AL080317, AL132800, AC004385, Z84470, AC002449,	_
		AL008729, AL117339, AL023799, AC003082,	
		AF205588, Z96050, AC007878, AL049766, AC005326,	
		Z72004, AL035688, AC002485, Z99716, AL049813,	_
		AC004924, AC005066, AF090890, Z93931, AC007676,	
		AL009028, Z72522, AC005145, AC004551, AL133249,	
		AC005252, AF198098, AC005945, AC018633, U85198,	
_		AC004662, AC004474, AE000661, AC007751,	
		AC004095, AC006036, AC009181, Z98753, AC006968,	

				AL031116.	AL109748, AP000078, AC007455,	AP000078.	AC007455.	
				AL031586,	AL031586, AC002349, AL022574, AC004872,	AL022574,	AC004872,	
				AL031393,	AC004452,	Z99497, A	AL031393, AC004452, Z99497, AL137624, AL079342,	L079342,
				AB020871,	AC006463,	AC006984,	AB020871, AC006463, AC006984, AC006167,	
				AC004389,	AC004915,	AB023050,	AC004915, AB023050, AP000511, Z96774,	296774,
				AC002085				
2002	HKAEB46	008688	Preferably excluded from the	AI952777,	AI952777, AI346020, AW024883, AL046029,	AW024883,	AL046029,	
			present invention are one or more	AI590661,	AI346915,	AW073186,	AIS90661, AI346915, AW073186, AW237522,	
			polynucleotides comprising a	AL037668,	AL037668, AW151753, AI419538,	AI419538,	AA399154,	
			nucleotide sequence described by	AI420960,	AA971504,	AI424070,	AI420960, AA971504, AI424070, AI983928,	
			the general formula of a-b, where a	AI858710,	AW264165,	AI970601,	AI858710, AW264165, AI970601, AI422333,	
			is any integer between 1 to 1902 of	AA610484,	AA610484, AA481014, AA758319,	AA758319,	AA486535,	
			SEQ ID NO: 2005, b is an integer of	AI273879,	AI273879, AA865664, AA528037,	AA528037,	AW440638,	
			15 to 1916, where both a and b	AI804913,	AI804913, AI094960, AI051129,	AI051129,	AA975822,	
			correspond to the positions of	AW367514,	AA043942,	AI337380,		
			nucleotide residues shown in SEQ ID	AA450210,	AA737971,	AA045559,	AL037667,	
			NO:2005, and where b is greater	AA292222,	AI914093,			
			than or equal to a + 14.	AA451613,	AA252687, AA551664,	AA551664,	C17369, AI953410,	\I953410,
_				AI359851,	AA045558,	AA135778,	AA045558, AA135778, D58604, AW402976,	NM402976,
				AI423638,	AA486630,	AA486630, AI189228, AI003695	AI003695,	
				AW002772,	R91050, A	I261994, D	R91050, AI261994, D63187, AI758843	758843,
				AA728996,	H02570, D	78861, AI4	H02570, D78861, AI431974, T95753,	5753,
				AI768841,	AW369981,	AI374732,	AI768841, AW369981, AI374732, AA503361,	
				AA298895,	AA298895, AI908249, AW392006, AA962314	AW392006,	AA962314,	
				AW392196,	AW392074,	N30487, A	AW392196, AW392074, N30487, AW392085, H52318,	452318,
				AA296893,	AA303066,	AW392190,	AA296893, AA303066, AW392190, W35300, AA031634,	AA031634,
				R76869, A	4298088, T	95752, AW3	R76869, AA298088, T95752, AW391941, AI864825,	364825,
				Z45938, A	4135734, N	71976, AA2	Z45938, AA135734, N71976, AA296872, T84519,	1519,
				R76870, A	4366382, T	81251, AAG	R76870, AA366382, T81251, AA041548, C18136,	3136,
				R32692, H	32653, C16	129, T1082	R32692, H02653, C16129, T10828, H52227, R34136,	. R34136,
				C17067, R.	23164, AW3	92168, R23	C17067, R23164, AW392168, R23163, AI687114,	7114,
				R63893, A	W392170, R	06245, AAC	R63893, AW392170, R06245, AA031753, T99872,	9872,
				AW392082,	AA976000,	AA890237,	AW392082, AA976000, AA890237, R99970, AW238952,	AW238952,
				AI719088,	AA365961,	AA302997,	AI719088, AA365961, AA302997, H03271, AA894778,	AA894778,
				R06300, R.	91051, D20	914, W329C	R06300, R91051, D20914, W32904, AI571626,	56,
		_		AA719590,	AW386001,	AA931929,	AA719590, AW386001, AA931929, R68979, AB011145,	AB011145,

H			AR025393,	AR025393, AR025401, AR025424,	AR025424,	AR025397,
			AR025407,		AR025421,	AR025405,
			AR025404,		AR025423,	AR025416,
			AR025417,		AR025422, AR025402,	AR025394,
			AR025400,		AR025413, AR025403,	AR025418,
			AR025412,		AR025395, AR025410, AR025411,	AR025411,
			AR025409,		AR025419, AR025396, AR025408	AR025408,
			AR025399,	AR025420,	AR025420, AR025398,	AR025406
889323	3	Preferably excluded from the	AA313697,	AA397662,	AA397662, AI734131, AA428728	AA428728,
		present invention are one or more	AI734102,	AI734102, AI741547, AA428294, AW274830,	AA428294,	AW274830,
		polynucleotides comprising a	AA428330,	AA428330, AI732698, AI742282, AA428855	AI742282,	AA428855,
		nucleotide sequence described by	AW452415,	AW452415, AW246994, AI337011, AI650992,	AI337011,	AI650992,
		the general formula of a-b, where a	AA910985,	AA910985, AA934713, AW452736, AI685505	AW452736,	A1685505,
		is any integer between 1 to 1059 of	AW025662,		A724506, A	Z38485, AA724506, AA703833, AA315349,
		SEQ ID NO:2006, b is an integer of	AI653134,	AI653134, AC000378, AL080194	AL080194	
		15 to 1073, where both a and b				
		correspond to the positions of				
		nucleotide residues shown in SEQ ID				
		NO:2006, and where b is greater				
		than or equal to a + 14.				
889368	<u>.</u> آ	Preferably excluded from the	AI125788,	AL135619,	AI683334,	AL135619, AI683334, AA824310,
		present invention are one or more	AL135408,	AA037216,	AA037216, AI972586, AI718476,	AI718476,
		polynucleotides comprising a	AI829067,		A497128, A	W58485, AA497128, AW051854, N28502,
		nucleotide sequence described by	AL121373,		AI922174, AA524333, AW084782,	AW084782,
		the general formula of a-b, where a	AW402881,		AI199668, AI143639, AW327327	AW327327,
		is any integer between 1 to 3697 of	AI688325,		I333116, A	N42979, AI333116, AI697771, AI243863,
		SEQ ID NO:2007, b is an integer of	AI003784,		AI937411,	AI084638, AI937411, N29140, AW269389,
		15 to 3711, where both a and b	AA443395,		AI355311,	AW001384, AI355311, AI139563,
		correspond to the positions of	AI374602,		AA424444, AW169876, AI335174	AI335174,
		nucleotide residues shown in SEQ ID	AI671042,	AW327648,	W24329, A	W24329, AI050862, AI628040,
		NO:2007, and where b is greater	AA434140,		AA082441, AI362701, AA884252,	AA884252,
		than or equal to a + 14.	AI090258,	_	I081404, A	W56128, AI081404, AA814863, W58450,
			AA814576,		AA461502,	AI907488, AA461502, AA223732, N95448,
			AI184687,		AI050684, AA447362,	N21176, N27576,
			AW341550,		AA497051, AI433749, AA311905,	AA311905,
			AA505594,		AA329681, AI278163, AA780160,	AA780160,

	AA570608, AA554137, AA223721, AW271217	217.
	AI801216, AI097355, AA885099, W69597, AA889841,	7, AA889841,
		1091,
-	AA478351, AI344719, N23344, AA468529, AA235290	9, AA235290,
		1706,
	AA683544, AA621614, AI857314, AI348508,	1508,
	AI085545, AI214611, AI625313, AA476237,	1237,
	AA494522, W07587, AA976842, AA478293, AA643766,	3, AA643766,
	W46184, N35630, N33492, AA526427, N24296,	124296,
	AW139045, N68146, H25621, AA424346, N42480,	N42480,
	H61788, AA935087, AL121192, AIS25659, AA580160,	39, AA580160,
	F19069, H61787, N20306, AI473380, AI187234,	11187234,
	AA476236, AI766411, R83753, AA192735, AA223820,	15, AA223820,
	R64665, AI095388, AA316245, AW375464, H99696,	54, H99696,
	AI814495, T91430, AI869777, AI750567, AI800050,	57, AIB00050,
	AA737796, AW375583, F33001, AA402536, AI375909	36, AI375909,
	R83603, N35954, AI458633, T35960, AI928703,	11928703,
	AA460576, AA383262, C17066, F06682, W16735,	W16735,
	AA223809, AA297837, AA876406, AA493346,	3346,
	AI000901, Z39693, T30460, AA961198, AA378551,	, AA378551,
	AA984004, AI928185, N26259, H98726, T60304,	, T60304,
	N78786, AA482926, R45705, AA455905, AA374118,	, AA374118,
	AA384020, H02406, AA456331, AI418099, AA724536	99, AA724536,
- "	T92890, AA592933, AA995483, N90115, Z44200,	, 244200,
	A1962421, AA992353, N43882, H96512, R06697,	, R06697,
	T91342, W74107, F34857, W69410, AW139741,	139741,
	AA047633, Z19206, AA302221, AA374271, AI630403.	71, AI630403,
	A1928594, AA234873, AL135333, AA047532	7532,
	AA788864, AI478732, H21536, AA318358, C02417,	58, C02417,
	N66756, T61681, AW243518, C17661, Z25200,	225200,
	AA805109, R06557, AW050504, H21535, AA456371,	, AA456371,
	A1302688, AW079809, AI080026, F04276, AA356174	76, AA356174,
	N83368, AIS64126, AW070903, AW004636, H26495,	36, H26495,
	T92979, AW392175, AA206629, AJ251053, U14550,	53, U14550,
	AC002429, AP000031, AL022336, AC005529,	5529,
	AC004106, AC005015, AF001549, AC003029	3029,

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		HOSISIT, ANDWENCE, ACCOURAGE,
		Z82198, AC005702, AP000115, AL035089,
•	AC005972, AC	AC005921, AC004966, AC002404,
	AC006211, A	AL035415, Z98884, AC004953, AL024507,
	AC004837, AC	AC004837, AC002326, Z98200, AC005229, AC007263,
	AC005011, A	AC005011, AF165926, AC005821, AL031283,
	AL022577, A	AL022577, AL009031, Z98750, AJ010770, AC005988,
	U95740, ACO	J95740, AC007386, Z95152, AL022316, AC004990,
	AC008372, A	AC008372, AC003070, AL031277, AL049780,
	AC006061, A	AC006061, AC005049, AF117829, AC005081,
	AC002352, A	AC002352, AC007358, U91322, AC005971, AL121603,
	Z93017, ACO	Z93017, AC004623, AL049692, AC010170, AC002454,
	AC006115, A	AC006115, AC007011, AL117339, AP000694,
	AL031591, A	AL031591, AC006101, AC005482, Z84466, AC005544,
	AF001550, A	AF001550, AC005538, AC007639, Z82206, AC005088,
_	AL009183, A	AC005181, AC003982, AC003665,
		AC007686, AF053356, AL049869,
	AJ010597, A	AC007371, AC006080, AC004887,
	AC002299, A	AC005274, AL049776, Z97054, AC006160,
_		AF227510, AL049694, AC005531,
		AC006924, AC006130, AL117337,
		AC009509, AC003971, AE000658,
	AC005208, A	AC005291, AJ229041, AL049589,
	AL022320, A	AC009464, AB016897, AP000555,
		AC005288, AL096791, AC002563,
		D87675, AP000512, U85195, AC007227,
		AC005779, AC005066, U91326, Z84480,
		AC007193, AC005527, AF205588,
		AC020663, AC005046, AP000556,
		AC007055, AC004859, AL034548,
		AL009179, AC000085, AC003658,
		AL031121, AC002316, AC004841,
		Z93023, AC007052, Z95114, AP000210,
_		AC005620, AL008715, AC006409,
		AL035249, AC007384, AC003101,
	AC005157, A	AC009247, AP000133, AP000211,

				APOOOTS	APD000159 AC004905 AC005736 AP165142	AC005736	AF165142	
				AC007073,	AC004802,	AC004477,		298036,
				AC002485,	AL096817, AL133448,	AL133448,	AP000553,	
				AL049745,	AC005207, AP000459,	AP000459,	Z73358, AP000100,	,001000
				AC006013,	AP000208,	AL035587, AL121655	AL121655,	
				AC009516,	AC005279,	AC005279, AP000961, AF196779,	AF196779,	
				AL031588,	AC006014,	AC006014, AC007786, AL121754,	AL121754,	
				AC005519,	AP000558, AP000704, AC002544,	AP000704,	AC002544,	
				AC006948,	AC004491, AP000247, AC006947,	AP000247,	AC006947,	
				AC006515,	AC006064, AC002477, AC008273,	AC002477,	AC008273,	
				AL049839,	Z84484, AC	3005874, A	284484, AC005874, AF134471, AC004552,	3004552,
				AL021394,	AL021394, AC005839, AC005018, AC006417	AC005018,	AC006417,	
		_		AP000130,	AP000130, AC002375, AC002126, AC005520,	AC002126,	AC005520,	
				AC006992,	AC004066,	AC005701,	AC006992, AC004066, AC005701, T52888, T52889,	52889,
		-		R06558, HZ	R06558, H24699, H25574, N92900, W07212,	574, N9290(0, W07212,	
				AA062814,	AA424971,	AA932152,	AA062814, AA424971, AA932152, AA992342, N46317,	N46317,
				AA454682,	F04980, FC	8711, AI24	AA454682, F04980, F08711, AI245086, AI198097,	18097,
				AI423663,	AI423663, AI123150, AI190262	AI190262		
2008	HCETP05	889467	Preferably excluded from the	AW409600,	AW370893,	AW172635,	AW409600, AW370893, AW172635, H29357, H00126,	0126,
			present invention are one or more	AI688967,	H23399, H	15998, AA9	AI688967, H23399, H15998, AA910184, R13385,	185,
			polynucleotides comprising a	AI635135,	AI635135, AA811899, AA768537, AA827197,	AA768537,	AA827197,	
			nucleotide sequence described by	AA152215,	T33955, A	1324892, H	AA152215, T33955, AA324892, H51900, AW015309,	15309,
			the general formula of a-b, where a	Z45802, A	4138603, AV	439297, A	Z45802, AW138603, AW439297, AA281159, T31539,	1539,
			is any integer between 1 to 454 of	AI989451,	AA311444,	T33897, A	AI989451, AA311444, T33897, AA928259, AW362586,	1362586,
			SEQ ID NO:2008, b is an integer of	AL096745,	AL096745, AL133562, AB023205, AJ006417	AB023205,	AJ006417	
			15 to 468, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:2008, and where b is greater					
			than or equal to a + 14.					
5009	HDHEA53	889494	Preferably excluded from the	AW162106,	AW162106, AI192344, AI564803, AI816163	AI564803,	AI816163,	
			present invention are one or more	AW157769,	W30860, A	W157220, A.	AW157769, W30860, AW157220, AI686640, AI379866,	1379866,
			polynucleotides comprising a	AI917170,	AI917170, AA548108, AI581151, AA190572,	AI581151,	AA190572,	
			nucleotide sequence described by	AA479158,	AA479158, AI364132, AI827282, AI400087,	AI827282,	AI400087,	
			the general formula of a-b, where a	AI271370,	AI271370, AA609367, AA236262, AI910788,	AA236262,	AI910788,	
			is any integer between 1 to 825 of	AI148957,	AI148957, AA758679, AI392976, AA608963,	AI392976,	AA608963,	

			SEO ID NO: 2009, b is an integer of	AA464601, AI634775, W07097, AI332514, AA253390,
			15 to 839, where both a and b	AA490370, H80788, AI024529, H21486, AI338291,
			correspond to the positions of	N72328, AA193686, AA253494, AI240331, H20219,
			nucleotide residues shown in SEQ ID	AA064633, AA664481, AA548109, R10906, R61486,
			NO:2009, and where b is greater	AI970230, AI652083, AI654228, H75492, AA247266,
			than or equal to a + 14.	N52829, AW139159, AA748177, R64411, H17572,
				AF065389, AF053455, AF121344
2010	HCHAC08	002688	Preferably excluded from the	W87344, W87345, AI159814, AI743733, AI027553,
			present invention are one or more	AW001343, AI743223, AI804911, AW009182, N71072,
			polynucleotides comprising a	AI034362, AA468381, AI168829, AA468421,
			nucleotide sequence described by	AA860298, AA578670, AI027557, AI365637,
			the general formula of a-b, where a	AA618558, AI307591, AI033866, AA052982,
			is any integer between 1 to 799 of	AA937189, AI034209, W05444, AA612975, AA053475,
			SEQ ID NO:2010, b is an integer of	AA468294, AI972035, AA612979, AW004657, N58184,
			15 to 813, where both a and b	AA782754, AI186935, T53519, AW016322, R27278,
			correspond to the positions of	AA988007, AA579074, AA860739, AA612976,
			nucleotide residues shown in SEQ ID	AW406518, AI422596, F25986, AA774165, N56542,
			NO:2010, and where b is greater	AA864684, AA922471, AA468220, AI350544,
			than or equal to a + 14.	AI950616, AI142741, AA706997, C21238, T53520,
				AA095378, AI673154, AI905956, AI660174, T24673,
				F36466, AI341288
2011	HACBT96	889782	Preferably excluded from the	AI338644, AI745184, AI890849, AW079838,
			present invention are one or more	AW149663, AI634926, AI889135, AW026717,
			polynucleotides comprising a	AW270045, AI857571, AI052517, AI004249,
-			nucleotide sequence described by	AI279282, AW089862, AI499010, AA581431,
		_	the general formula of a-b, where a	AA669174, AW129569, AW438690, AA830692,
			is any integer between 1 to 980 of	AA419072, AI624275, AA434407, AI597766,
			SEQ ID NO:2011, b is an integer of	AI184077, AA565719, AA758787, AI183979,
			15 to 994, where both a and b	AW021522, AI862132, AA705896, AI090447,
			correspond to the positions of	AA828220, AI190867, AA435546, AA568841,
			nucleotide residues shown in SEQ ID	AI268376, AI092061, AI146792, AI268380,
			NO:2011, and where b is greater	AA012947, AA700657, AI160133, W90656, AA618520,
			than or equal to a + 14.	AA805610, AL043849, AA902677, AI276955,
				AI366145, AA394012, N74351, AA076429, N92748,
				N74405, AA830815, AA788867, W86234, AI131041,
				AI636459, AL043850, AI309739, AI346161,

			AI339715 AW105496 AI272886 AA017217.
			AA191502, AA677335, AA021588, AI418190, C75356,
			AI460073, W17229, AA715095, AI348381, AW020236,
			AA548678, AL045358, AA669031, H81440, F25106,
			AA243179, H41079, AA433970, T03708, F37029,
			AA410613, AA923050, W67263, AI765605, AI354279,
			N89731, AA604066, AI186384, T55826, T28511,
_			AI568300, R07512, AA862409, AI350206, R44871,
			H46869, H46287, AA857126, AI491735, AA687978,
			T74684, H75881, D25565, AA419133, AW188884,
			AA548866, AA305818, T26508, W86261, AI361932,
			AA995393, H66896, W67378, AI351723, R22493,
			R22441, F27665, AI245370, T74796, R53433,
	_		AA322407, T95777, AW384420, T92255, H75747,
			R12501, C21226, AI547271, R07565, AA326036,
	_		T74869, AI610783, T95776, AI261830, W19404,
_	_		H42315, AA936763, AI907063, AW384409, AA384097,
	_		AA973381, R09900, AI865937, AA404250, AI907073,
			H43081, T72070, AA489164, H67138, AW264657,
			AA345444, T74921, AA404700, R08428, AA934685,
			AW392670, C04482, Z99396, AL119319, AL119497,
			AW384394, U46341, AW372827, AW363220, AL134531,
			AL119457, AL119443, AL119324, U46350, AL134920,
			AL119484, AL119363, AL119341, AL119391,
			AL119355, U46347, U46351, U46349, AL119483,
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			M20455, AF164120, AR060234, AB026436, U02317,
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2012 HTLEN01	889954	Preferably excluded from the	AA744759, T08846, AA884477, R87614, R18692,
		present invention are one or more	AW362788, AW072169, AW408220, AA078623,
		polynucleotides comprising a	AA227616, AA884352, AA868332, AI762571,
		nucleotide sequence described by	AA535028, AI139078, AA077934, AI361426,
		the general formula of a-b, where a	AI359977, AW009454, AB033050, AB015330
		is any integer between 1 to 1756 of	
		SEQ ID NO:2012, b is an integer of	

			15 to 1770, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:2012, and where b is greater		
			than or equal to a + 14.		
2013	HCROA43	889962	Preferably excluded from the		
			present invention are one or more		
			polynucleotides comprising a		
			nucleotide sequence described by		-
			the general formula of a-b, where a		
_			is any integer between 1 to 693 of		
			SEQ ID NO:2013, b is an integer of		
			15 to 707, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:2013, and where b is greater		
			than or equal to a + 14.		
2014	HSLJW05	889994	Preferably excluded from the	AA878377, AW264482, AA528458, AI084502,	
			present invention are one or more	AI086537, AA280756, AI524467, AA215387,	
			polynucleotides comprising a	AI909056, D20028, AI432571, T80449, C16437,	6437,
			nucleotide sequence described by	AI474660, AA306817, AA636097, AA214516, R82222,	, R82222,
	_		the general formula of a-b, where a	AA995304, R39369, AA318653, R62525, AL045794,	045794,
			is any integer between 1 to 2426 of	AL039924, AA969711, D51250, T24119, T24112	4112,
			SEQ ID NO:2014, b is an integer of	D80253, D80043, AW013814, D59787, AL037726,	7726,
			15 to 2440, where both a and b	AL039629, AL039625, AL039648, AL038837,	
			correspond to the positions of	AL039074, AL039678, AL039108, AL039538	
_			nucleotide residues shown in SEQ ID	AL039564, AL039156, R39019, AL039659, AL039566,	AL039566,
			NO:2014, and where b is greater	AL039509, D80219, AL038531, D59275, D80227,	,0227,
			than or equal to a + 14.	AL039109, AL040992, T80169, AL044530, AL039128,	AL039128,
				AL044407, AL038821, AL036973, AL045337,	
				AL037051, AL045353, AL039386, AL039423,	
				AL045341, AL042909, AL039410, AL043422,	
				AL043445, AL038025, AL039150, AL036725, D80240,	, D80240,
				AA383146, R25163, AL043423, T02921, D80210,	10210,
				D51423, D80134, D59619, AL043441, R24660,	,09
				D80391, D80193, T23947, H00069, D80196, C14227,	, C14227,

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	AL036238, AL036924, A	AL036238, AL036924, AL037601, D59889, AI557751,
	AL038851, AL036733, C	AL038851, AL036733, C15076, AL036158, D80022,
	AL037027, T23659, AL0	AL037027, T23659, AL036418, D80038, AL037082,
	D80195, AL037054, AL0	D80195, AL037054, AL036765, D58283, D81030,
	T11417, D80188, AL037	F11417, D80188, AL037177, D59467, C14429,
	D51799, D80378, AL037	D51799, D80378, AL037081, AL036190, T03269,
	AL036998, AL037047, F	AL036998, AL037047, F13647, AL037643, AL036227,
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	AW450376, AL037600, C	AW450376, AL037600, C14298, AL037178, AL036191,
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	D80269, D80166, AW129106, C14331, D59859,	3106, C14331, D59859,
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	N71180, AL042628, ALC	N71180, AL042628, AL079963, D80268, AL037124,
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	AI288285, AI815855, A	AI815855, AI687127, AI866573,
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2015	HTPGK74	890666	Preferably excluded from the	A1149400, AA846733, AI085373, AI246729,
			present invention are one or more	AI608911, AI923892, AI798918, AW303427,
			polynucleotides comprising a	AI708285, AW080676, AI684195, AI587306,
			nucleotide sequence described by	AW189579, AI354582, AW044409, AI922230,
			the general formula of a-b, where a	AI628502, AI888388, AI758885, AI619483, W52043,
			is any integer between 1 to 3288 of	AW057673, AL037160, AI921372, AW304335,
			SEQ ID NO:2015, b is an integer of	AI624382, AI819541, AW276527, AI554494,
			15 to 3302, where both a and b	AI809216, AI923339, AI381549, AI015540,
			correspond to the positions of	AI473800, AW104317, AI910909, AI471516,
			nucleotide residues shown in SEQ ID	
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				R22036, R2	2364, R27810, R33	R22036, R22364, R27810, R33367, R33366, R34281,
				R40303, R4	5180, R45180, R645	R40303, R45180, R45180, R64594, R66060, R69585,
				R70795, R7	19334, R80960, H042	R70795, R79334, R80960, H04294, H04562, H08121,
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				R83039, RE	16755, H55819, H558	R83039, R86755, H55819, H55827, H71875, H73487,
				H96583, HS	16704, N49329, N71S	H96583, H96704, N49329, N71908, N93708, W24984,
_				W31430, W3	W31430, W31986, N91238, AA021171, AA035032,	31171, AA035032,
				AA035520,	AA035520, AA079896, AA079897, AA165060,	7, AA165060,
				AA164800,	AA164800, AA463544, AA225869, AA632555,	9, AA632555,
				AA689363,	AA689363, N84693, C01059, AA091046, AA091332,	1091046, AA091332,
				AA095049,	AI023106, AI078656, F09037, F11374	5, F09037, F11374
2016	HHGAB64	869068	Preferably excluded from the	AA127776,	AA206261, AA20626	AA127776, AA206261, AA206263, AA281030, T67843,
			present invention are one or more	AA477584,	AA325658, AA381036	AA477584, AA325658, AA381036, R12107, AF022382,
			polynucleotides comprising a	AL031295, L41668	L41668	
			nucleotide sequence described by			
			the general formula of a-b, where a			
			is any integer between 1 to 365 of			
			SEQ ID NO:2016, b is an integer of			
			15 to 379, where both a and b			
			correspond to the positions of			
			nucleotide residues shown in SEQ ID			
*****			NO:2016, and where b is greater			
			than or equal to a + 14.			
2017	HOSOR86	890753	Preferably excluded from the	AI341460,	AW173384, AW05523	AI341460, AW173384, AW055235, W39204, AI909118,
			present invention are one or more	AI909124,	AI909124, AW118938, AI689430	AI689438, AI419443,
			polynucleotides comprising a	AI801242,	AI801242, AW438695, AI123971, AA707755,	1, AA707755, N59864,
			nucleotide sequence described by	AA974210,	AA974210, AW130020, AA489046, AW298736,	5, AW298736,
			the general formula of a-b, where a		AA768780, AI146982, AI093766, AA284319,	6, AA284319,
			is any integer between 1 to 2042 of	AA907244	AA279581, AA98381	AA907244, AA279581, AA983814, AI955386, N59886.

			SEQ ID NO:2017, b is an integer of 15 to 2056, where both a and b	AIS35676, AI859864, AI498376, W01363, AI699807, AA824487, T86598, AA994605, AW044013, AA489144
			correspond to the positions of	T85108, AW271482, AA811658, AI631722, AW021293,
			nucleotide residues shown in SEQ ID	R64514, T77559, AA736753, T77523, T86597,
			NO:2017, and where b is greater	H44608, AI955411, N90263, H94626, AL119283,
	٠		than or equal to a + 14.	AL119309, AI909117, N77027, N79005, AW105078,
				N62828, A1334730, A1701272, T07505, AM376940, AW243861 A1909110 T84177 AC004227 AC004804
				AL022153, AC006840, AC006197, AC008125, AC004822
2018	HE9RV77	890763	Preferably excluded from the	AW241738, AIS54315, AW293947, AI763258,
			present invention are one or more	AI721194, AW043707, W67989, AW269975, AW025268,
			polynucleotides comprising a	AI683778, AW183594, AW242994, AW015541,
			nucleotide sequence described by	AA428411, AI312039, AA905967, AW274692,
			the general formula of a-b, where a	AI743918, AI632220, AA515764, AI018660,
			is any integer between 1 to 1877 of	AA936423, N40612, AI913282, N36286, N42415,
			SEQ ID NO:2018, b is an integer of	AA155820, AA155924, AA071299, W68001, AI799025,
			15 to 1891, where both a and b	AI123370, AI184911, AA218950, AA173353,
			correspond to the positions of	AL047892, AA526078, AI041007, N27838, N33441,
			nucleotide residues shown in SEQ ID	AW168113, H64050, AI261230, AI347397, AA536165,
			NO:2018, and where b is greater	AI569491, AW172624, AA781882, AI583725,
			than or equal to a + 14.	AA149663, AA683414, AI539802, AI583700,
			-	AI445057, AI816810, AA176623, AI340128,
				AA375927, AA628568, AA434428, AA164797, R80702,
				AA445933, AI690654, H10573, AA179678, H15588,
				AI313391, AI538861, AI687194, AA167315, N25332,
				AW150559, W58766, H17389, AA164796, H82362,
	•••			R41866, AI204281, AW301352, AW302888, F06348,
				AW271077, AA218953, AI223027, R41721, AI609973,
				AI336653, AA151878, H82258, N27072, AI805669,
				H99831, AI282274, T82232, AI086204, R80703,
				F07751, AA173300, T86068, H18079, AW169375,
				R11810, Z39244, T71190, R17172, R17252, N24523,
				AW302442, H99172, AI042623, N31444, H64001,
				H15531, AI872871, AI969736, AW026046, AA890413,
				R40959, R14564, AA102051, T81858, AA220917,
				D31565, U46380, AI277142, AA628822, F06639,

				AW004021 AIS00444 H61486 AI962340 AI675481.	340. AI675481.
				AA860192, H87106, AI254025, F04003, AA166985,	3, AA166985,
				AA321073, AI557191, AI373103, AW072197,	172197,
				AI922171, AA091757, AI095771, AW264568,	264568, H10368,
				AW168889, AW276664, AA846587, AAS06171	506171,
				AA090327, AI218075, AA383806, AA220919,	220919,
				AA102050, H10369, AF133426, AF053453, AF043906,	3453, AF043906,
				U84895, AL035608, AF053454, D16949, AI336283,	49, AI336283,
				AI633192	
2019	HPRAJ70	890776	Preferably excluded from the	AI805082, AI432462, AW263421, AA135870,	135870,
			present invention are one or more	AA137165, AA298464, AA298471, AA298475,	298475,
			polynucleotides comprising a	AA298489, AI362575, AA031604, AA313094,	313094,
			nucleotide sequence described by	AA031360, AR009514, AF079864	
			the general formula of a-b, where a		
			is any integer between 1 to 3543 of		
			SEQ ID NO:2019, b is an integer of		
			15 to 3557, where both a and b		
			correspond to the positions of	•	
		_	nucleotide residues shown in SEQ ID		
			NO:2019, and where b is greater		
			than or equal to a + 14.		
2020	HBODK52	108068	Preferably excluded from the	AIS54661, AW274259, AA314190, AL120376,	120376,
			present invention are one or more	AI334374, AI274093, AI080270, AA883816,	883816,
			polynucleotides comprising a	AA879435, AI475629, AI222322, AI432982,	432982,
			nucleotide sequence described by	AAS41454, AW265163, AA749031, AA307355	307355,
			the general formula of a-b, where a	AA993688, AA298322, F24838, AI147394, AI864022,	7394, AI864022,
			is any integer between 1 to 1585 of	AA298719, AW002647, AI276250, AI142407	142407,
			SEQ ID NO:2020, b is an integer of	AA296879, F34528, AA249523, AA689493, AI808739,	9493, AI808739,
			15 to 1599, where both a and b	Z44194, AW139211, AL008582, AB035207, D64109,	5207, D64109,
		_	correspond to the positions of	AL022393	
			nucleotide residues shown in SEQ ID		
_			NO:2020, and where b is greater		
			than or equal to a + 14.		
2021	HARNK52	890820	Preferably excluded from the	AW372332, AW372296, AW372303, AW392509,	392509,
			present invention are one or more	AW392497, AW392507, AW372464, AW392505,	392505,
			polynucleotides comprising a	AW004891, AA101225, AW392512, AA102670,	102670,

			nucleotide sequence described by	AA120821, U54597, AW182872, AI446810, AA298878,	U54597, AM	182872, AI	446810, AA	1298878,
			rs a	AA294978, AW392492, AA298897, U54599, AI903382,	AW392492,	AA298897,	US4599, AI	903382,
			is any integer between 1 to 2579 of	AA991253,	U95367, IS	9650, U953	AA991253, U95367, IS9650, U95368, AF009702,	,02,
			SEQ ID NO:2021, b is an integer of	AF009697, AF009701, AF009700, AF009699,	AF009701,	AF009700,	AF009699,	
			15 to 2593, where both a and b	AF009695,	AF009693,	AF009694,	AF009695, AF009693, AF009694, AF009698, AF009696	AF009696
			correspond to the positions of				•	
			nucleotide residues shown in SEQ ID					
			NO:2021, and where b is greater					
			than or equal to a + 14.					
2022	HTLHU22	890883	Preferably excluded from the	AW248608,	AI654134,	AW248608, AI654134, AW249047, AW027462,	AW027462,	
			present invention are one or more	AI688329,	AW136847,	AA995019,	AI688329, AW136847, AA995019, AI867957, Z83847,	Z83847,
			polynucleotides comprising a	282206				
			nucleotide sequence described by					
_			the general formula of a-b, where a					
			is any integer between 1 to 1674 of					
		_	SEQ ID NO:2022, b is an integer of					
			15 to 1688, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:2022, and where b is greater					
			than or equal to a + 14.					
2023	HWMBB2	890945	Preferably excluded from the	AL042015,	AI760156,	AL042015, AI760156, AI041208, AI675831,	AI675831,	
	0		present invention are one or more	AA772287,	AI761091,	AA772287, AI761091, AA127766, AI189553,	AI189553,	
		•	polynucleotides comprising a	AI024414,	AI680106,	AI024414, AI680106, AA678819, AI338208,	AI338208,	
			nucleotide sequence described by	AI276652,	AA069849,	AI276652, AA069849, AI457552, AI005201,	AI005201,	_
			the general formula of a-b, where a	AA678586,	AA918062,	AA678586, AA918062, AA411763, AA037163	AA037163,	
			is any integer between 1 to 2529 of	AA069802,	H30857, AJ	1703349, AJ	AA069802, H30857, AA703349, AA216712, AI266630,	1266630,
			SEQ ID NO:2023, b is an integer of	N23150, AI	.082636, AJ	1827374, A	N23150, AI082636, AA827374, AA385301, AA411843,	4411843,
			15 to 2543, where both a and b	AI049637,	N56802, A	1125538, AJ	AI049637, N56802, AI125538, AA347097, T28624,	28624,
			correspond to the positions of	N32729, AP	1146702, A	1343535, AJ	N32729, AA146702, AA343535, AA375419, AW316863,	W316863,
_			nucleotide residues shown in SEQ ID	N32133, AA	1385302, A	146719, A	N32133, AA385302, AA146719, AA669887, AA375420,	A375420,
			NO:2023, and where b is greater	AI867611,	AW206128,	AI630096,	AI867611, AW206128, AI630096, N95166, AA331777,	A331777,
			than or equal to a + 14.	Z24775, A	1331778, F	14253, AA3	Z24775, AA331778, F04253, AA318183, D51300,	300,
				F04964, A	1343617, A	1194918, R	F04964, AA343617, AA194918, R41937, AA347119,	47119,
				AI524404,	AA362621,	AA402478,	AI524404, AA362621, AA402478, F00058, AW366370,	W366370,
				C21140, R1	0662, ALO	19560, AA9	C21140, R10662, AL079560, AA994433, AA218592,	18592,

			AA888498, AA371095, AI783880, AA293830,
			AA037059, U07343, U07418, U80054, U17850,
			U40971, U40978, U17857, U40975, U17854, U17849,
			U40970, U17851, U40972, U17839, U40960, U17856,
			U17847, U40977, U17852, U40968, U17841, U40973,
_		,	U17844, U40976, U40962, U17855, U40965, U17846,
_			U17840, U17848, U40969, U40961, U40967, U59883,
			U17842, U40963, U40964, U17843, U17853, U40974,
			S77856, U17845, U40966
HWLND63	891125	Preferably excluded from the	AA361119, AI391643, S75038, S75037, E02518,
		present invention are one or more	E02516, M37721, E03981, AF010472, E03204,
		polynucleotides comprising a	E03202, E03203, E03201, D29625, AR036183,
		nucleotide sequence described by	M18683, E03205, I09286, U79523, M82845, E03428,
		the general formula of a-b, where a	AR036184, X59689, M25719, M25732, X59687,
		is any integer between 1 to 490 of	X59688, E02517, X59685, X59686, T47438, T49517,
		SEQ ID NO:2024, b is an integer of	T40337, T41197, T94036, R31007, R52165, R54705,
		15 to 504, where both a and b	R59553, R59554, R64336, R65793, R66811, R67946,
		correspond to the positions of	H09249, H13692, H13744, H14286, H20221, H24797,
_		nucleotide residues shown in SEQ ID	H25936, H25967, H27194, H27195, H27531, H28158,
		NO:2024, and where b is greater	H42178, H39094, H43206,
		than or equal to a + 14.	H43842,
			R83920, R87925, R87926, R89640, H56488, H56489,
	_		H84491, H93855, H95554, H96000, H96001, N29623,
_			W20057, W56622, W56652, W73707, AA001437,
			AA001129, N91455, N91545, AA010455, AA012908,
			AA017259, AA017548, AA019579, AA021397,
	_		AA055263,
			AA079578, AA086369, AA086477, AA086052,
			AA088908,
			AA113195,
			AA159956, AA159957, AA169782, AA179024,
			AA191540, AA193244, AA194300, AA194320,
			AA194750, AA194569, AA195818, AA196755,

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	AA197162, AA223624,	624, AA235645, AA243301,
	AA250844, AA2508	AA250903, AA250964, AA250940,
	AA459406, AA4594	AA459418, AA459644, AA464185,
	AA464690, AA464	AA464690, AA464779, AA427566, AA480355,
	AA483686, AA5086	AA508610, AA513761, AA514432,
	AA515092, AA515	AA515092, AA515572, AA533290, AA555236,
	AAS57193, AAS574	AA557193, AA557435, AA558632, AA563928, F15660,
	F15723, F15909,	F15723, F15909, F16089, F16376, F16546, F16798,
	F16863, F16967,	F16863, F16967, F17260, F17364, F17412, F17509,
	F17552, F17561,	F17552, F17561, F17566, F17588, AA583063,
	AA582179, AA583	AA582179, AA583705, AA583809, AA583939,
	AA583973, AA5870	AA583973, AA587857, AA594803, AA604225,
	AA604384, AA610	AA604384, AA610836, AA627361, AA635656,
	AA574051, AA577	AA577139, AA657777, AA657988,
	AA665180, AA737855,	855, AA806213, AA827543,
	AA833831, AA856894,	
	AA872104, AA873247,	247, AA876266, AA917410,
	AA935997, AA961665,	665, AA962483, AA968868,
	AA972526, AA974	AA972526, AA974886, AA975454, AA976399,
	AA987883, AA948	AA987883, AA948025, AI002503, AI074079, F18024,
	F18046, F18063,	F18217, F18383, F18418, F18564,
-	F18889, F18975,	F19390, F19528, F19715, N84794,
	F17978, F17998,	W28215, W73754, N89223, C02843,
	C02989, C03092,	C03145, C03180, C03325, C03831,
	C03986, C04192,	C03986, C04192, C04941, C05199, AA018964,
-	AA063476, AA641.	AA063476, AA641390, AA642243, AA095945,
	AA096393, AA194	AA096393, AA194324, AA206409, AA643334,
	AA654007, AA211	AA654007, AA211715, AA213946, AA284988,
	AA284536, AA290	AA284536, AA290829, AA291918, AA292000,
	AA293474, AA293	AA293474, AA293062, AA293262, AA401909, F20245,
	F20441, F20482,	720441, F20482, F20840, F20860, F21515,
	AA411329, AA410	AA411329, AA410818, AA456784, AA454513,
	AA459631, AA477	AA459631, AA477102, AA477416, AA477746,
	AA477852, AA480	AA477852, AA480115, AA481936, AA481469,
	AA496740, AA599	AA496740, AA599776, AA628543, AA666379,
	AA456564, F2191	AA456564, F21911, F21996, F22437, F22449,

				F22724, AA719223, AA724815, AA725731, AA758587,
				AA771884, AA775241, AA779626, AA781570,
				AA781985, AA812572, AA845555, AA852940,
				AA852551, AA852552, AA889439, AA773167,
				AA994600, AA993537, AI025737, AI038538,
		_		AI040946, AI124097, D25663, T16240, F00827,
				F00386, F01041, F01120, F01124, F01135, F00308,
				F01259, F01267, AA772935, AI302665, AI318091,
				AI347597, AI361314, AI361315, AI361322,
				A1401660, A1423575, A1423596, A1128394,
				AI224046, AI144391, AI149311, AI625219,
				AI625399, AI192566, AI214910, AI658645,
				AI538037, AI342442, AI633128
2025	HCROQ71	891264	Preferably excluded from the	T08982, Z99396, AW392670, AW384394, AW372827,
			present invention are one or more	AL119363, AW363220, AL119443, AL119497, U46341,
			polynucleotides comprising a	AL119319, AL119396, AL119457, AL119324,
			nucleotide sequence described by	AL119483, AL119484, AL119341, AL119391,
			the general formula of a-b, where a	AL119355, AL119496, AL036418, AL038837,
			is any integer between 1 to 766 of	AL119335, U46350, AL119522, U46349, U46351,
			SEQ ID NO:2025, b is an integer of	AL037051, AL036725, AA631969, AL042970,
			15 to 780, where both a and b	AL042965, U46347, AL134528, AL036858, AL119418,
			correspond to the positions of	AL119444, U46346, AL134518, AL119399, AL042614,
			nucleotide residues shown in SEQ ID	AL037205, AL039074, AL119439, AL036924,
			NO:2025, and where b is greater	AL042544, AL038509, AL042975, AL119488, U46345,
			than or equal to a + 14.	AL134538, AL042984, AL042551, AL134527,
				AL043029, AL042542, AL042450, AL037094,
				AL037526, AL037085, AL036196, AL037082,
				AL043019, AL037639, AL037077, AI142134,
				AL043003, AL036767, AL036190, AL036268,
				AL038520, AL038851, AL119464, AL038447,
				AL036774, AL036998, AL036733, AL037178,
				AL036238, AL037615, AL037027, AL036719,
			-	AL036765, AL036191, AL036679, AL036158,
				AC007073, A81671, AR060234, AR066494, AR023813,
	\dashv			AR064707, AR069079, AR054110, AB026436
2026	HBINP81	891305	891305 Preferably excluded from the	AI206965, AI955864, AI978772, AI952843,

		present invention are one or more	AA910462,	AA910462, AA532931, AA551929, AI718392, AA571186, AW192987, AI749756, AA513126	AA551929, A1749756	AI718392,	
		nucleotide sequence described by	AI341292,	AI341292, AA327208, AI572827, AI345905, NS4395,	AI572827,	AI345905,	N54395,
_		the general formula of a-b, where a	AI631315, AI536146	AI536146			
		is any integer between 1 to 2507 of					
		SEQ ID NO:2026, b is an integer of					
		15 to 2521, where both a and b					
		correspond to the positions of					
-		nucleotide residues shown in SEQ ID					
		NO:2026, and where b is greater					
		than or equal to a + 14.					
2027 HDLAG89	891896	Preferably excluded from the	AW242220,	AW242220, AI742204, AA779774, AA765518	AA779774,	AA765518,	
		present invention are one or more	AI670838,	AI670838, AI494382, AI016035, AI499655, H98843,	AI016035,	AI499655,	H98843,
		polynucleotides comprising a	W01534, AJ	W01534, AA262799, AA992714, R99930, H60755,	1992714, R	99930, Н60	755,
		nucleotide sequence described by	AA262783,	AA262783, AA836865, N23566, AA463579, AI880528,	N23566, AJ	4463579, A	1880528,
		the general formula of a-b, where a	AA247461,	AA247461, AA206947, AA463519, H60756, H62890,	AA463519,	H60756, H	62890,
		is any integer between 1 to 2343 of	AA365288,	AW361065,	AA465401,	AW361065, AA465401, H62924, AI370666,	1370666,
		SEQ ID NO:2027, b is an integer of	AI926079,		1774976, R	T09101, AA774976, R41293, N86838,	838,
		15 to 2357, where both a and b	AA465512,	AA465512, N71001, AA436909, AI004991, AL134524,	1436909, A	I004991, A	L134524,
		correspond to the positions of	AI380036,	AI380036, AI432644, AL119457, AL119324	AL119457,	AL119324,	
		nucleotide residues shown in SEQ ID	AL119511,	AL119511, AL042544, AI432653, AL119399,	AI432653,	AL119399,	
		NO:2027, and where b is greater	AI431307,	A1431307, A1432666, AI623302, AI431316	AI623302,	AI431316,	
		than or equal to a + 14.	AL045327,	AL045327, AI431323,	R99751, A	R99751, AL042898, AL047163,	L047163,
			AL043152,	AL043152, AW081103,	AL042382, AL079794,	AL079794,	
			AL043168,	AI431238,	AL042787, AL047675,	AL047675,	
			AI431351,		AL042729, AA585453, AL042853,	AL042853,	
			AL079741,	AL038878,	AL038878, AI432654,	AI142134,	
			AI433157,	AI432656,	AW151136,	AI539771,	
			AI537677,	AI500659,	AI815232,	AI801325,	
			AIS00523,	AI582932,	AI284517,	AI923989,	
			AIS00706,	AI445237,	AI491776,	AW151138,	
			AI521560,	AI889189,	AI500662,	AI284509,	
			AI889168,	AI866573,	AI633493,	AI434256,	
			AI805769,		AI888661, AI284513,	AI888118,	
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	AI610557, A	AI866465, AI	AI887499, 1	AI431321,
	AI690946, A	AL045328, AI	AI866469, 1	AI521594,
	AI828574, A	AL048427, AL	AL042538, 1	AI537515,
	AL043089, A	AI275175, AL	AL042745, 1	AL043091,
	AI541056, A	AW151979, AI	AI648567, 3	A1620284,
	AI499463, A	AI582912, AI	AI610362, 1	A1538850,
	AI887775, A	AI623736, AI	AIS90043, 1	AL045620,
		AI492519, AI		AI923046,
	AI434242, A	AI500714, AI	AI537273, 1	AI355779,
	AI885949, A	AI581033, AI	AI491710, 1	AI436456,
		AI963846, AI	AIS67940, A	AI817244,
	AI242736, A	AI612913, AW	AW022682, ;	AI539781,
		AI285826, AI	AI539707,	AI863014,
		AI889133, AM	AW089557, AI559957,	AI559957,
_		AI521571, AI	AI432677, AI610357,	AI610357,
	AL042377, A	AI434223, AI	AI366900, AI610429,	AI610429,
		AI889148, AI	AI539847, AL042939	AL042939,
_	AIS67935, A	AI805762, ZS	98465, AI	298465, AI561170, AI702065,
		AL047422, AI	AL045891, AI344785	AI344785,
		AI285439, AJ	AI866820, AI866581,	AI866581,
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			AIS67953, AI446495,	AI446495,
			AI866461,	AL047092,
		AI521465, AI		AL039276,
			AI274759,	AI866457,
		AI927233, AI	AI567993, AI431315	AI431315,
		AI628850, AV	AW118237, AW191003	AW191003,
		AIS39863, AW162194, AI364788	W162194,	AI364788,
		AL110306, AL048323, AI521596	L048323,	AI521596,
	AI929108, A	ISS4827, AV	W197139,	AIS54827, AW197139, Y17793, A93016,
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	I48978, A08910, A08909, AF100931, AC004883,
	AF019249, AF182215, E07108, AC004227, I89947,
	A08913, AF113694, AJ000937, AL117583, U35846,
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	D16301, AL137271, AL137521, AL122093, AR038854,
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	AF118070, AL122050, I48979, AF090896, AF100781,
	Z72491, AL137538, Z37987, X83508, A65341,
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	AL137459, AC006840, AF102578, E01573, E02319,
	E07361, A57389, AL049430, A90832, A93350,
	AF090903, AL117457, AL050155, AC000400,
	AL080060, Y16645, AC004987, AL080158, AL122098,
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	AF118094, AL049283, A08908, I33392, AL049452,
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_	U68233, I92592, AF017152, AL035458, AL133077,
-	E15569, U78525, AL117435, AL122123, AL110159,
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	AR038969, AL110196, AF087943, AF176651,
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	AF113013, AR011880, AL049464, AF078844,
	AF113690, A18777, ALO34417, A77033, A77035,
	AL049382, AF125949, AL096744, AR034821, A03736,
	AL122121, U72620, AF081195, AF111849, Y10655,
	X82434, AF090934, AF118064, AL080159,
	X70685, U42766, U58996, Z82022, AC006313,
	AJ242859, AF183393, AL050149, AL110225,

				AL122118, AF106862, U88966, AF026816, A18788,
				AL050277, AF067790, AL133637, AL050024, E02349,
				AL110197, AL137648, AL117460, AF026124,
				AL137550, AF090900, AF125948, AF039138,
				AF039137, AL133014, AL117394, A12297, AL133031,
				AF079765, X63574, X96540, AL110280, X98834,
				AR020905, AL137556, I09360, AL133093, AF067728,
				AF113699, AL137560, I42402, L31396, AL133568,
				AL137488, AL050138, AL050393, L31397, U91329,
				AJ012755, AC006039, I89934, X52034, AF126247,
				X84990, AL080127, AL133075, AJ003118, AL080137,
				AL137527, AB029065, AF113691, AF061943,
				AL137476, S75997, X94372, AR013797
2028	HE8FL95	892113	Preferably excluded from the	AA195218, AA397579, AA399552, AA621184,
			present invention are one or more	AI692940, AA205886, AI702167, AI365354, AF090947
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 1769 of	
			SEQ ID NO:2028, b is an integer of	
			15 to 1783, where both a and b	-
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:2028, and where b is greater	
			than or equal to a + 14.	
5029	HHFGIS9	892177	Preferably excluded from the	AW207619, AA534290, AW340566, AW139543,
			present invention are one or more	AA947281, AA776464, AI697902, AA037301,
			polynucleotides comprising a	AA205320, AA443876, AI206904, AA400700, T75075,
			nucleotide sequence described by	AI363369, W46782, H24404, AI032106, AI880884,
			the general formula of a-b, where a	N59387, AI138757, AA307337, AA554317, AI359282,
			is any integer between 1 to 4317 of	N28440, AW007847, AA662978, AI129939, AA476728,
			SEQ ID NO:2029, b is an integer of	AI017751, AI431939, AI675507, AA953932,
			15 to 4331, where both a and b	AI625227, AI991609, H23505, H18538, N77075,
			correspond to the positions of	AI928411, AI206609, AA005130, F13039, Z39279,
			nucleotide residues shown in SEQ ID	AA282393, F02661, AI635585, AA024899, R80487,
			NO:2029, and where b is greater	T77003, AI040191, AI363266, H14797, H68321,

	than or equal to a + 14.	AA024900, R83449, AI249693, Z42220, AIS60382,
		AIS64770, AI301618, Z43207, R80381, AA206751,
		F06352, W93287, R40397, T87366, AI767771,
		AI094857, F02642, AA970085, AI942231, F06371,
		AA309597, F12724, R02736, W93286, T89999,
		W32125, Z43926, T82305, T78880, H23497, Z45760,
		Z45415, F10631, AI365308, R02735, T82820,
		Z39986, N50637, T99449, W31631, AW438395,
		AA331899, AA307511, AW363028, AA296346,
		AI081008, F01749, W46783, AA005415, AA485147,
		AA400655, F07384, T98853, R13009, AW169922,
		H14798, AA218742, AI827798, N59001, AI261716,
		H18430, R13181, A1673745, F03625, N54124,
		AI023953, AW316878, D80045, F11062, AA581647,
		AIS87242, AI382497, D59502, AA485032, C14389,
		C14429, D58283, D81030, D80195, D80043, D80227,
		C14331, D80188, D80038, D51423, D59619, D80210,
_		D51799, D80391, D80240, D80253, T03269, D80166,
		D80196,
		D50979, D80212, D59275, D57483, D59610, D59889,
		D80022, Z21582, D80378, D80366, D80164, D80241,
		D59787, D50995, AI905856, D80024, C15076,
		D59467, C75259, C14014, D51060, AA305409,
		AW366296, D80134, AW178893, D51250, D81026,
		F13647, AI557751, D80268, AA305578, D80248,
-		D51079, D51022, AW179328, AW177440, AW178775,
		AW375405, D58253, AW378532, D80949, D80522,
		D80168, C14407, C14227, AW352158, D81111,
		D59695, AI910186, D80251, D52291, AA514188,
-		AW369651, AW178762, AW177501, AW177511, D51097,
		AA514186, D80133, AW360811, C14298, D80064,
		AA285331, AW375406, AW352117, C05695, AW176467,
		AW378540, AW377671, AW360834, AW360844,
-		AW360817, AW378534, AW179332, AW377672,
		AW179023, AW178905, T11417, D80302, T48593,
		D80132, AW177505, AW352171, D80439, AW377676,

577	AW178906, AW352170, AW17731, AW178907, AW179019, AW179024, AW179024, AW1790254, AW179019, AW179024, AW179024, AW179026, AW192010, AR2296, AR2200, AR4916, Y17188, AW132110, U87250, AR2595, AR018138, A78862, DZ6022, AG7220, XG7155, DB9785, D34614, A25909, XR2626, D86247, AR008278, AF65696, I19525, AR02507, AR026889, X68127, A86792, X95396, AR066482, AR016514, A85477, A86792, X95396, AR1390, AR060385, AR002217, AR008413, AF135125, IG60126, I50132, I50128, I50133, Y17187, AR038669, AR008277, AR008281, AR066488, AR060138, A45456, A26615, AR05217, AR054175, D88507, AR066490, D50010, AR054175, D88507, AR066490, D50010, AR036691, AR016690, AR008408, AR05212, AR016691, AR016690, AR038021, AR03813, U87247, AF12351, AR038069, X8038021, AR068133, U87247, AF12351, AR01369, AR038025, X93355, AR008382	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a sis any integer between it to 1220 of R5641, W86435, AM06804, AM179034, AM27000, b is an integer of T56421, W86435, AM06804, AM372669, R87623, R87854, SEQ ID NO:2030, b is an integer of T60545, AM37004, AM372669, R87623, R84663, NUCleotide residues shown in SEQ ID A018954, AA410887, AA365207, AA36269, R84633, NO:2030, and where b is greater than or equal to a + 14. R85220, AM293040, AM38843, R85353, AA355125, AM062970, R85304, AM362591, R85304, AM36515, AM17608, AM962911, H72226, AM36515, AM17608, AM962911, H72226, AM36515, AM176608, AM962911, H72226, AM393174, M62133, M63136, M6

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1007				A1664627,	AW15045/,	AIGG462/, AWISU43/, AIGG8/81, ALU43335,	ALU43335,	
			present invention are one or more	AI907430,	AI613418,	AI907430, AI613418, AW150279, AI205012,	AI205012,	
			polynucleotides comprising a	AI038777,	AA709407,	AI690430,	AI038777, AA709407, AI690430, T35506, AI022430,	
			nucleotide sequence described by	AI023459,	AI476713,	AI671575,	AI023459, AI476713, AI671575, D29621, T34271,	
		_	the general formula of a-b, where a	AW419081,	AI261913,	N32030, A	AW419081, AI261913, N32030, AA377446, AI912514,	_
			is any integer between 1 to 1075 of	AA034072,	AI053445,	AI053445, AI828656, AA533408,	AA533408,	_
			SEQ ID NO:2031, b is an integer of	AI038724,	AL042113,	AI038724, AL042113, AI370475, AA569743,	AA569743,	_
			15 to 1089, where both a and b	AI623899,	AL135698,	AI283090,	AI283090, AW272763,	
			correspond to the positions of	AIB68164,	AA633266,	F17700, H	F17700, H57826, AI633185,	
			nucleotide residues shown in SEQ ID	AL045709,	AA713674,	AA713674, AA360944, AA716755,	AA716755,	
_			NO:2031, and where b is greater	AW088125,	AA297968,	AW088125, AA297968, AA659324, AI252506,	AI252506,	
			than or equal to a + 14.	AB020865,	AC005940,	AP000694,	AB020865, AC005940, AP000694, Z99755, AP000557,	
				AL035587,	AC004701,	AL035587, AC004701, AC006965, AC005768	AC005768,	_
				AC006211,	Z98950, A	C005152, Z	AC006211, 298950, AC005152, Z85996, AF051976,	
_				AL109963,	AC007934,	AL109963, AC007934, AC005339, AF053356,	AF053356,	-
				AC006116,	AL031281,	AC005755,	AC006116, AL031281, AC005755, Z69917, AC005599,	
				AC003101,	AL050308,	AC003101, AL050308, AL096791, AC005288,	AC005288,	
				AL132992,	AC004472,	AL132992, AC004472, AL022326, AC004386,	AC004386,	_
				AL021368,	AP000073,	AL021368, AP000073, AP000512, AC004148	AC004148,	
				AL009181,	AF196971,	X55448, A	AL009181, AF196971, X55448, AC002527, AC005821,	
_				Z99714, A	C006387, A	C002375, A	Z99714, AC006387, AC002375, AC006547, AC005041,	_
				AC006285,	AC002347,	AC006285, AC002347, AC002045, AC002418,	AC002418,	
				AC003010,	AC005520,	AP000248,	AC003010, AC005520, AP000248, AC005192,	
_				AC005225,	AP000346,	AF001549,	AC005225, AP000346, AF001549, AC006480, Z93017,	
_				AC005899,	AL096801,	AC005899, AL096801, AL096817, AC003982,	AC003982,	_
				AL121652,	AC005189,	AL121652, AC005189, AC005968,	AC005212,	_
				AL035683,	AL035683, AL049829,		AL022320, L44140,	
				AC005971,	AC005971, AL022721,	AC005701,	Z85987, AL133448,	_
				AL109865,			AC000097,	
				AC006026,		AC004894,	AC005015, 299716,	
				AC001228,	AL133245,		AL035400, AB023049,	_
				AL031286,	AP000279,	AP000279, AC004797, AC007226,	AC007226,	
				AL139054,	AP000260,	AP000260, AL034429, AF111168,	AF111168,	_
				AB023050,	Z95116, A	C007284, A	AB023050, Z95116, AC007284, AC006046, AL034402,	
				AL117344,	U91325, A	L121655, A	AL117344, U91325, AL121655, AC008101, AC004638,	
		_		Z86090, A	C004526, A	C002073, A	Z86090, AC004526, AC002073, AP000038, AP000106.	_

				ACOUS/40, Z95331, AFOUDING, ACOUZNYS, ALO49869,
				AC005531, AC006556, AP000114, AP000046,
				AP000099, AC016025, AC004890, AC004024,
				AC005081, AP0000043, AC003950, AC007688,
				AL035415, AC005914, AC001050, AC007458, U95742,
				AC004832, AC005154, AF205588, AC005221,
				AC002477, AC016830, Z94044, AC006146, AC004019,
		- -		
				AP000036, AC006023, AC002400, AB000882,
				AC004020, AC004821, AC004814, AL132777,
				AL031311, AL117337, AC006064, L78810, AP000556,
				AC004699, Z84466, AC005332, AL109627, AL121653,
				Z93244, AC005969, AL022312, AC006958, AC005484,
				AL035455, AP000050, AL049635, AC003051,
				AC005488, AC006040, AC005562, AL133163,
				AC003029, AC004815, AC007637, AC005037,
				AC006160, AF196969, AC005585
2032	HWLDZ74	892558	Preferably excluded from the	AA337226, AI963222, AA336474, AI709289,
			present invention are one or more	AL079710, AI333306, AI095635, AI148461,
			polynucleotides comprising a	AA593438, AA460382, N99226, F35658, F28539,
			nucleotide sequence described by	AI674747, AI263147, AI689623, AI703331,
		_	the general formula of a-b, where a	AI304941, H46234, AA634465, AA336555, AA337527,
		_	is any integer between 1 to 969 of	AC004150, AC006024, AC006116, AC006539, U82672,
			SEQ ID NO:2032, b is an integer of	AC005592, AC007204, Z98747, AC006271, AC004045,
			15 to 983, where both a and b	AC007993, AF146191, Z54951, AC007284
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:2032, and where b is greater	
			than or equal to a + 14.	
2033	HPJEB77	892563	Preferably excluded from the	H09290, AA806214, AA427513, AI904853, AA126879,
			present invention are one or more	AI910856, AW015950, AA134019, AA292157, AC009514
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 708 of	
			SEQ ID NO:2033, b is an integer of	

_			4 P L - 300 Land Land L				
**			15 to /22, where both a and b				
			correspond to the positions of				
			nucleotide residues snown in SEQ in				
			than or equal to a + 14.				
2034	HNTST71	892820	Preferably excluded from the	W93943			
			present invention are one or more				
			polynucleotides comprising a				
			nucleotide sequence described by				
			the general formula of a-b, where a				
		-	is any integer between 1 to 541 of				
		-	SEQ ID NO:2034, b is an integer of				
			15 to 555, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:2034, and where b is greater				
			than or emial to a ± 14				
2025	TOODOO?	803223	Dreferably excluded from the	30641005	83541005 ST762083 ST587618 S8143709	AT587618	9777700
507	1576771	1				2000	10010101
			present invention are one or more	AW299688,	AW299688, AA524042, AI686577, AA143723,	AI686577,	AA143723,
			polynucleotides comprising a	AA534417,	AA534417, AW000937, AI924527, AI924182,	AI924527,	AI924182,
			nucleotide sequence described by	AA143746,	AA143746, AI478257, AW338896, AA999953,	AW338896,	AA999953,
		_	the general formula of a-b, where a	AI625051,	AI625051, AI417467, AA125991,	AA125991,	AA233660,
			is any integer between 1 to 1070 of	AA233546,	AA233546, AA612904, AA826318,	AA826318,	AI597567,
		_	SEQ ID NO:2035, b is an integer of	AA906335,	AA906335, AA143761, AA126071,	AA126071,	AI873680,
			15 to 1084, where both a and b	AI380837,	AI380837, AA056595, AA862082, AI910769,	AA862082,	AI910769,
			correspond to the positions of	AI380247,	AI380247, AA411502, AA328454, AI927431,	AA328454,	AI927431,
			nucleotide residues shown in SEQ ID	AA481473,	AA481473, AI368169, AA434336, AI002848,	AA434336,	AI002848,
			NO:2035, and where b is greater	AA056638,	AA056638, AW177469, AW177487, AI829000	AW177487,	AI829000,
			than or equal to a + 14.	AA468833,	U54603, A	1916081, AV	AA468833, U54603, AI916081, AW352026, AW365560,
			•	C00614, A	W178439, A	W292063, AV	C00614, AW178439, AW292063, AW177675, AF216312,
				E13203			
2036	HWLCU24	893457	Preferably excluded from the	AA479821,	AA479821, AA432116, AI571125, AW016789,	AI571125,	AW016789,
			present invention are one or more	AI888160,	AI888160, AI991410, AI277106, AI431499,	AI277106,	AI431499,
			polynucleotides comprising a	AA938157,	AI422352,	C06416, A	AA938157, AI422352, C06416, AI051837, AA425359,
			nucleotide sequence described by	W63640, A	A479700, T	66755, AW2	W63640, AA479700, T66755, AW235659, AI978666,
			the general formula of a-b, where a	AI765490,	AL121547,	H61675, T	AI765490, AL121547, H61675, T93682, AA427558,

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	SEQ ID NO:2036, b is an integer of	AA682248, AI887332, AI476215, AI207979,
	15 to 345, where both a and b	AI954997, AI954988, AI589450, AA609914,
_	correspond to the positions of	AI912009, AI218832, AI951761, AA609757, R77260,
	nucleotide residues shown in SEQ ID	R60869, AI460050, AW058594, AW300537, AA782792,
	NO:2036, and where b is greater	AA458911, N26791, AA708893, AI168124, W74653,
	than or equal to a + 14.	AI148331, AA188960, AI114875, AI915018,
		AI598035, T05685, AW168412, AA454639, AA086016,
		AI745505, AA676964, H01261, AA129320, AA456251,
		AI653352, AA890006, AI096408, AW170047,
		AI247405, AI263393, AI081330, AI379150,
		AW015475, AA342341, H95038, AI814630, R08763,
		AI382384, AI273553, AI748817, N47474, AC005062,
		AF071240, AC005204, D37888, AF001893, AC005839,
		U46840, AC005082, AJ249224, X87116, D37887,
		Z97054, Y09257, X96585, AL033530, AC008109,
		AF175325, E15279, Z84484, AC005992, AC007298,
		M33644, AC007917, AC004467, AL078630, AC006115,
		AC005670, AC007461, AC000117, AL022401, X57080,
-		AC007216, AC018769, AC009946, AL049543,
		AC005483, X79482, AJ388050, AC005884, Z93942,
		U09051, AC006112, AC002543, AF154112, AC004903,
		AF112374, AC006989, AF227510, AL109753,
		AC006075, Z83818, AB020867, AP000547, M28552,
		AC006455, AL022069, AC002467, AC005061,
		AC007437, AC004659, AC007239, AF131217, X52507,
		AC006151, X59370, Z83745, AC006196, AL078581,
		AC004001, X52617, A79336, U08407, AC005938,
_		Z97180, AC004620, AC004533, AC006992, AP000459,
		AC002454, AC004849, AC006374, AL024506,
_		AF178030, AL117338, AL109847, AC007320, M27933,
-		AB017353, Z98043, AC005502, AL031177, Z96253,
		AF146793, AL049588, AF130342, AC012152,
		AC006324, U94853, AL035530, AF185591, AC004035,
-		AL049635, I66426, AC003993, AL008723, AF001905,
		U85195, AF165142, AC004492, AP000696, AC009300,

				AE000658,	AC004959,	AC016831,	AE000658, AC004959, AC016831, AC007237, A13477,
				AC007510,	AC007510, AC005742, AC000353,	AC000353,	AC006064,
				AL109623,	AL109623, AC000159, AF109076,	AF109076,	AF053356,
				AC002041,	AC002041, AP000066,	AC005835,	AP001171,
				AC007970,	AC007970, AC011456,	AJ010688,	U08869, AC005345,
				AC006972,	AC006972, AL023279,	AC006478,	AC005262,
				AP000884,	AP000884, AL079305,	AF061032,	AL023280,
				AL133241,	AC005105,	AC007058,	AC005355,
				AC004108,	AC004108, AR031020,	AC004391,	AC007021,
				AC005513,	AC005225,	AF002166, AF015149,	AF015149,
				AC005723,	AC005723, AC006031,		AC007226,
				AR036572, U91328	U91328		
2037	HSDJY15	893827	Preferably excluded from the	AI133205,	AL037682,	AI133205, AL037682, AI114520, AI064817,	AI064817,
			present invention are one or more	AL036965,	AL037211,	AL036965, AL037211, AI207400, AI174949,	AI174949,
			polynucleotides comprising a	AI174789,	AA661919,	AA661919, AI174746, AL037212,	AL037212,
			nucleotide sequence described by	AI133183,	AW131769,	AA826080, AI133103,	AI133103,
			the general formula of a-b, where a	AI064872,	AL047790,		AL037712, AI133447,
			is any integer between 1 to 1200 of	AI557213,	AA196323,		AI557510, AI708887,
			SEQ ID NO:2037, b is an integer of	AI064799,	AIS57501,	AA639310, AA618404,	AA618404,
			15 to 1214, where both a and b	AA130931,	AA528236,		AA468368,
		_	correspond to the positions of	AA643792,	AI720756,	_	C18264, AA149472, AL036525,
			nucleotide residues shown in SEQ ID	AA176099,	AA723030,	AA533271, AA730806,	AA730806,
			NO:2037, and where b is greater	AA814574,	AA524681,		AA155674, AI133076,
			than or equal to a + 14.	AA211175,	AI735145,		AA130534,
				AA526147,	AAS26147, AA115162,		AI734894,
				AA188082,	AA888633,	AA888633, AI954154, AL046874,	AL046874,
				AI253288,	AA456356,	AA456356, AA487686, AA641711	AA641711,
				AA468936,		A657662, A	C17903, AA657662, AA613948, AI557378,
				AA069837,	AI832615,	AI832615, AA149557, AA188546,	AA188546,
				AA535388,		AI707485, AI031781, AA876497,	AA876497,
				AW270369,	AI708877,	AA493596,	AA211174,
	_			AA143743,		AI986169,	AI978768,
				AI253289,		AA180918,	AA937682,
_				AA070665,		AI453086,	AA583899,
				AA885561,	AI205258,	AI133019,	AA610163,
				AI613175,	AI535649,	AI613175, AI535649, AA469011, AA151710	AA151710,

				1		
			AA578931,	AA502034,	AA653010,	AI453374,
			AA088752,	AI564738,	AA513214,	AI812066,
			AI718381,	AI057631,	AA552282,	AI862343,
			AA879175,			
			AI569517,	AI880251,	AA522574,	AA130876,
			AA100886,	AI267882,	AA074099,	AI242732,
	_	€.	AI523331,	AA947056,	AI799288,	AI041459,
			AI499399,	AA086434,	AL047605,	AA101240,
			AI926578,	AW151535,	AI921645,	AI735153,
			AI889237,	AA197115,	AI719836,	AI610718,
			AI832704,		AA857010,	AA468008,
			AI801089,	AA935460,	AI749770,	AI635150,
			AI670796,	AA856914,	AI147985,	AA652921,
-			AI630885,	AI707630,	AA536131,	AI269472,
			AI475977,	AA659428,	AA533389,	AA602791,
			AI124539,	AI273169,	AI253340,	AI801192,
			AI720378,	AI749886,	AI217009,	AA603147,
			AI697158,	AI720483,	AA661870,	AI091584,
			AI832890,	AA394073,	AI214988,	AI253350,
			AA618229,	AA081105,	AW276922,	AI366469,
			AA566063,	AIS57420,	AI750108,	AAS75849,
			AA829092,	A1459667,	AI917999,	AI216206,
			AL047639,	AI720230,	AI494209,	AA469210,
			AA468066,	AA744189,	AW071131,	AA586683,
			AA506661,		AA658333, AA193059, AA486739,	. AA486739,
-			AA074102,		AA603867, AA757697, AI199984,	AI199984,
			AA618302,		A771977, A	C17416, AA771977, AA526043, AI720323,
			AA502487,	AI469695,	AI080487,	AI080487, AI720329,
			AI721040,	AI832984,	AA533449,	AI832445,
	•		AI832524,	AI460107,	AI366465,	AI459785,
		•	AA226422,	AA563955,		AI748972, AA095036,
			AA211188,	, AI720479,		AA708210, AA485747,
			AA600898,	, AI832459,		AA174120, AW166854,
_			AA192955,	, AI688903,		C18862, AA775370, AI031761,
			AA650170,	, AW152114,		AA548147, AA545759,
			AW073702,	, AI525138,		AA187609, AI888829,

				AI250266, AI366365, AI572029, AA578760, AA876982, AI580012, X62996, V00662, J01415.
				D38112, X93334, U09500, X93339, D38116, X93338,
				X93335, D38113, X93347, D38115, X97707, U38274,
				AJ010581, AJ010580, AJ010582, AJ010583, Y13303,
			-	U38263, Y13302, Y13305, Y13304, AF081052,
				AJ010559, AJ010558, AF081049, AF088927
2038	HSAAR81	893842	Preferably excluded from the	AI635278, AI174861, AA373755, AI250672,
			present invention are one or more	AI075000, AW073879
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 442 of	
			SEQ ID NO:2038, b is an integer of	
			15 to 456, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	-
			NO:2038, and where b is greater	
			than or equal to a + 14.	
2039	HNDAD16	893866	Preferably excluded from the	W95642, AW167728, AA716097, AI281282, AA552443,
			present invention are one or more	AI143630, AI332337, AA315762, AA953818,
			polynucleotides comprising a	AI346752, AA974853, AA631397, AA632754,
			nucleotide sequence described by	AA552321, AI762067, AI748945, AA337636,
			the general formula of a-b, where a	AA614535, W60395, AA507878, AI973218, AA580138,
			is any integer between 1 to 580 of	AA345906, AA633399, W32686, AI474125, AA554791,
			SEQ ID NO:2039, b is an integer of	N74131, AA808607, AI983974, W60304, AA384262,
			15 to 594, where both a and b	AA319354, AW265199, AA327250, W20434, AI985964,
			correspond to the positions of	AA336734, AI350070, AA384635, AA337338,
		_	nucleotide residues shown in SEQ ID	AA327500, W81242, AA327340, AA327546, W81706,
		_	NO:2039, and where b is greater	AA327502, AA327154, AI460270, AI459674,
			than or equal to a + 14.	AA029583, AI187009, AI832569, AW364159,
				AI183698, AA468623, AA928702, AW176584,
				AI973212, AI749833, T29881, D25724, AA314975,
				AA029584, W95644, AA574221, I95749, L15203,
				L08044, U25654, U25656
2040	HCNSE58	893867	893867 Preferably excluded from the	AI281282, AI143630, AA315762, AA552443,

			present invention are one or more	AA974853, AW16772 AI346752, AA95381	AA974853, AW167728, AA716097, AI332337, AI346752, AA953818, AI748945, AA611397,
			nucleotide sequence described by	AA808607, AA58013	AA808607, AA580138, AA507878, AA614535,
			the general formula of a-b, where a	AA552321, AI76206	AA552321, AI762067, W60395, W32686, AA632754,
			is any integer between 1 to 639 of	W60304, AI983974,	W60304, AI983974, AI973218, AA633399, AI985964,
	-		SEQ ID NO:2040, b is an integer of	AASS4791, AA31497	AA554791, AA314975, N74131, W20434, AI350070,
			15 to 653, where both a and b	AA337636, W81242,	AA337636, W81242, AI832569, W81706, AI183698,
			correspond to the positions of	AA468623, AI45967	AA468623, AI459674, AI749833, AI460270,
			nucleotide residues shown in SEO ID	AA928702, AI18700	AA928702, AI187009, AW364159, W95642, T29881,
		-	NO:2040, and where b is greater	AA345906, AI47412	AA345906, AI474125, AI973212, AW265199, D25724,
			than or equal to a + 14.	AA384635, AA38426	AA384635, AA384262, AA327250, AA336734,
				AI561269, AA32750	AI561269, AA327500, AA327546, AA574221,
				AA327340, AA02958	AA327340, AA029584, AA327502, AI699171,
				AW176584, AA32715	AW176584, AA327154, AA532852, AW188590,
				AA558976, AI56087	AA558976, AI560870, AI749877, AA319354,
				AW007096, W95643,	AW007096, W95643, AA337338, AA384655, AA029583,
				W95644, AW392670,	W95644, AW392670, AW291863, Z99396, AL119319,
				AL037205, AL11940	AL037205, AL119401, AW372827, U46350, AW363220,
				AW384394, AL11943	AW384394, AL119439, AL119484, AL119391,
				AL119324, AL11952	AL119324, AL119522, AL119457, U46347, U46351,
				AL119483, AL11941	AL119483, AL119418, L15203, I95749, L08044,
				U25657, U25656, U	U25657, U25656, U25654, AR060234, AR066494,
				A81671, AB026436	
2041	HSVCD79	894012	Preferably excluded from the	AA429308, AW13860	AA429308, AW138602, AW024259, AA558588,
			present invention are one or more	AI492469, AI36781	AI492469, AI367813, AA428240, AA719541,
			polynucleotides comprising a	AA888930, AI190902,	2, C14850, AI217028, D60222,
			nucleotide sequence described by	AI286160, AA737138,	8, R79200, H64703, R79465,
			the general formula of a-b, where a	AA737139, AI268290, AF023259	0, AF023259
			is any integer between 1 to 1902 of		
			SEQ ID NO:2041, b is an integer of		
			15 to 1916, where both a and b		
			correspond to the positions of		•
			nucleotide residues shown in SEQ ID		
			NO:2041, and where b is greater		
			than or equal to a + 14.		
2042	HSIFA27	894051	Preferably excluded from the	AI972556, AI96820	AI972556, AI968208, AW274901, AI744720,

			present invention are one or more	AI885290, AA449113, AW152432, AI479938,
			polynucleotides comprising a	AI800087, AW390446, AI800088, AI799502,
			nucleotide sequence described by	AI859002, AI423145, AW088405, AI858842,
_			the general formula of a-b, where a	A1990019, A1809596, A1401062, A1360174,
			is any integer between 1 to 1581 of	AW197421, AI689608, AW197663, AW103934, N42254,
			SEQ ID NO:2042, b is an integer of	AI218225, AI206902, AI376613, AI219568, N59385,
			15 to 1595, where both a and b	AA053930, AA534904, AI656541, AI128371,
			correspond to the positions of	AI360254, AI285163, N32810, AA428038, N39444,
			nucleotide residues shown in SEQ ID	AA776360, AW088291, AI817703, AA421739,
			NO:2042, and where b is greater	AI565066, AI674914, AW190558, AW194393,
			than or equal to a + 14.	AW276699, AI361508, AI824832, AW451191, R91784,
				AW390451, AA427924, AA257059, AW071546,
				AI081359, AI189019, AI002857, W93989, AW206484,
				H55900, AA034237, AA127466, AW188281, AI290045,
				AA447735, AW027775, AA773930, AI633932,
				AA364666, AA327290, R82206, AW027950, AI638501,
				W93800, AI690373, AW027793, AI143661, R59973,
				AA503464, R82261, R91785, N63596, AW276891,
				AW276821, AW182096, H01166, H01251, N29781,
				H24046, H13082, R27203, AI811525, AA055340,
				AA319583, AA358644, AA904821, AI274485, R27202,
				AA127579, R46792, N57202, R67153, AI803875,
				H13286, D25758, AI653480, N77073, AA055339,
				H24153, C04100, AA502410, N48556, AI874167,
				H61875, AI783927, AA453668, C15384, AB018305
2043	HTTKV46	894121	Preferably excluded from the	AI678077, AI884863, AI869333, AI884942,
			present invention are one or more	AI859296, AA829937, AW250313, AW300936,
			polynucleotides comprising a	AI571293, AW273060, AW248281, AA582906,
			nucleotide sequence described by	AA928110, AA283711, AI589898, AI038859,
			the general formula of a-b, where a	AA594105, AA828316, AA906924, AA938955,
			is any integer between 1 to 1047 of	AW170665, AW172642, AW248955, AA975490,
			SEQ ID NO:2043, b is an integer of	AI123879, AI367867, AI826097, AW272915,
			15 to 1061, where both a and b	AW070748, AA316879, AI089508, AI086474,
			correspond to the positions of	AA661759, AI566244, AI015067, AI538087,
			nucleotide residues shown in SEQ ID	AW245061, AW000868, AW409921, AA688299,
			NO:2043, and where b is greater	AW250988, AA827720, W58033, AI953468, AA211097,

	than or equal to a + 14.	AW078745, AI891144, AA994072, W79220, AI471577,
		W74508, AI922589, AW102638, AA918328, AA826730,
		AA969243, D56355, AA991461, H51344, H73020,
		AW089131, AA355115, AW340401, AA210923,
		AW168828, AA290724, T19021, W57949, AI362888,
		T29587, AA876186, AW268964, AI307442, AW304648,
		AW075100, AA380031, M91218, AW073433, AI802854,
		AI345036, AW071289, AI349002, AW075177,
		AI307208, AW072721, AI334909, AI312145,
		AW073656, AW071374, AI340734, AW075033,
		AI307478, AI348921, AI252839, AI307493,
		AW075181, AI583899, AW301481, AW271034,
		AI334911, AW074937, AI345565, AI334881,
		AW075006, AW072513, AI252926, AI252463,
		AI251289, AW074809, AI255052, AI307559,
		AW071420, AI270156, AI610913, AI251264,
-		AI802837, AI583896, AA824526, AW072520,
		AI252160, AI251662, AI309390, AI334886,
		AI340619, AI252075, AI254764, AI251262,
		AW075183, AW302733, AW073049, AI251232,
		AI270787, AI247038, AW072901, AI054335,
		AI313336, AI246087, AW271039, AW271867,
		AI349195, AI269525, AI340589, AI250128,
-		AI054060,
		AI340643,
		AW302085, AI054172, AI053900, AA293354,
		AW301901, AI054079, AI271496, AI254494,
		AI252427, AA993616, AI307473, AA496372,
		AA464729, AI566787, AI885746, AA496649, T90849,
		AW071307, AI565286, H77912, AI865061, AA426470,
		AI354978, AA912601, AW249375, AI345688,
		AI345130, AI254134, AI340511, AI349742,
_		AI334895, AI307507, AI310927, AI336488,

				AI312271, AA995486, AW086285, AI254533,
				AI336565, AI334738, AI312261, AI609420,
				AI307549, AI307734, AI348847, AI345156,
				AI862220, AI307569, AI336654, AI310582,
_				AI312959, AI311149, AI336503, AI310606,
				AI313346, AI336643, AI344808, AI309391,
				AI345143, AI309431, AI345527, AI312165,
				AI345739, AI312143, AI378721, AI344260,
				AI348981, AI348995, AI310940, AI344843,
				AI310571, AI307526, AC005324, M91670, AJ388535,
				AF093119, X70685, X72624, Y09972, AF069506,
				AF159148, AF144082, AL050280, AL133557,
				AF038440, AF113694, X92070, Z70226, AC000030,
				I52013, S73498, AC002480, AI252868, AI305762
2044 F	HHGCE29	894341	Preferably excluded from the	AA490691, AA525138, AA513505, AA442532,
_			present invention are one or more	AA256875, AW194680, AA479366, AC009336, X71422,
			polynucleotides comprising a	X60395, X60762, M81249, D10288
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 639 of	
			SEQ ID NO:2044, b is an integer of	
_			15 to 653, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
_			NO:2044, and where b is greater	
			than or equal to a + 14.	
2045 F	HCYBE73	894397	Preferably excluded from the	AA305176
			present invention are one or more	
			polynucleotides comprising a	
_			nucleotide sequence described by	
			the general formula of a-b, where a	
_			is any integer between 1 to 342 of	
_			SEQ ID NO:2045, b is an integer of	
			15 to 356, where both a and b	
			correspond to the positions of	
_			nucleotide residues shown in SEQ ID	

			NO:2045, and where b is greater than or equal to a + 14.		
2046	HWLVS05	894631	Preferably excluded from the present invention are one or more	AI952147, AA827782, AI523970, AW008938, AA236865 AI671370 AW043829 AI143123	938, N36986
			polynucleotides comprising a	AA306716, AI361743, AA460666, AW080829	
			nucleotide sequence described by	AI914077, AI214786, AA862831, AI963652,	652,
			the general formula of a-b, where a	AI913070, AI805253, AI423188, AI003936,	936,
			is any integer between 1 to 1425 of	AA994686, AA130868, AA533231, AI358965,	965,
			SEQ ID NO:2046, b is an integer of	AI873692, AA569719, AA865951, AA644481,	481,
			15 to 1439, where both a and b	AI272308, AI445569, AA130923, AI418685,	685,
			correspond to the positions of	AI669710, C00906, R85067, AA847433, AA502585,	AA502585,
			nucleotide residues shown in SEQ ID	AA968581, AI088486, N46300, AA176755, AL048511,	5, AL048511,
			NO:2046, and where b is greater	AA179075, AW163823, AW162071, AI274452,	452,
			than or equal to a + 14.	AL042488, AI799540, AI961393, AA904283	283,
	_			AI290128, F35031, AI582822, AA088789, AA829775,	9, AA829775,
				AI270039, AI679800, AW262565, AL042515,	515,
				AI918424, AI884459, AA807326, AL122098,	098, S68736,
				A57389, AL137562, AF158248, U72071, X79812,	X79812,
				AL049959, AF070632, U92068, AJ131955, AF169154,	5, AF169154,
				AF030165, Z30970, AL096709, Z49258,	Z49258, AC006561,
				AL022396, Z98049, AC007370, AL049540, AL021391,	0, AL021391,
				U94316, AP000250, AP000133, AP000211, AP000030,	1, AP000030,
				AF162270, I80845, AF107018, U77594, AL080074,	AL080074,
				AR029580	
2047	HCRMV27	894806	Preferably excluded from the	AL134920, AL042896, AL119443, AL042965, U46341,	965, U46341,
			present invention are one or more	AI142139, AL119418, U51899, A81671	
			polynucleotides comprising a		
			nucleotide sequence described by		
			the general formula of a-b, where a		
_			is any integer between 1 to 572 of		
			SEQ ID NO:2047, b is an integer of		
			15 to 586, where both a and b		
			correspond to the positions of		
			nucleotide residues shown in SEQ ID		
			NO:2047, and where b is greater		
			than or equal to a + 14.		

9	Н						
2048	HCK0122	894811	Preferably excluded from the	AA279019, A	A279229,	AA279229, AW392083,	AI770039,
			present invention are one or more	AL134531, AW372827, AL119439, AL119484,	W372827,	AL119439,	AL119484,
			polynucleotides comprising a	AL119363, AL119391, AL134528, AL119444	L119391,	AL134528,	AL119444,
			nucleotide sequence described by	AL119496, A	L134538,	AL119418,	AL119496, AL134538, AL119418, U46346, AB026436,
			the general formula of a-b, where a	A81671		•	
			is any integer between 1 to 881 of				
			SEQ ID NO:2048, b is an integer of				
			15 to 895, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:2048, and where b is greater				
			than or equal to a + 14.				
2049	HCQAF06	894818	Preferably excluded from the				
			present invention are one or more				
			polynucleotides comprising a				
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 129 of		•		
			SEQ ID NO:2049, b is an integer of				
			15 to 143, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:2049, and where b is greater				
			than or equal to a + 14.				
2050	HKCSA83	894820	Preferably excluded from the	AW360811, A	W177440,	T03269, A	AW177440, T03269, AW375405, AW178893,
			present invention are one or more	AW179332, A	W366296,	AW367950,	AW179332, AW366296, AW367950, AW360817, C14389,
			polynucleotides comprising a	AW179328, T	48593, AM	1178906, AV	T48593, AW178906, AW375406, D80439,
			nucleotide sequence described by	AW378534, D	58283, AK	1377672, D	AW378534, D58283, AW377672, D51799, AW179023,
			the general formula of a-b, where a	AW178905, D	159859, DE	10022, C14;	AW178905, D59859, D80022, C14331, D80166,
			is any integer between 1 to 562 of	AW177731, D	80195, DE	10193, DS9	AW177731, D80195, D80193, D59927, D59467,
			SEQ ID NO:2050, b is an integer of	D51423, D59	619, D802	47, AW378	D51423, D59619, D80247, AW378528, D80210,
			15 to 576, where both a and b	D80391, D80	164, D592	75, AW178	D80391, D80164, D59275, AW178762, D80240,
			correspond to the positions of	D80253, D80	1038, AW17	9019, D80	D80253, D80038, AW179019, D80043, D59787,
			nucleotide residues shown in SEQ ID	D80227, D59	502, AA3C	15409, AW3	D80227, D59502, AA305409, AW378532, AA305578,
			NO:2050, and where b is greater	AW377676, A	W352170,	AW178907,	AW377676, AW352170, AW178907, AW178908, D80251,
			than or equal to a + 14.	AW178914, C	306015, AM	1378533, DA	AW178914, C06015, AW378533, D45260, AI525923,

			C03092, AA285331, AW378542, AI525917, AA809122, T11417, F13647, AI525920, AA514184, AI525227
			AI525913, AI525925, I50126, I50132, I50128,
			I50133, Y09669, AR066488, AR016514, D89785,
			AR066487, AR060138, A84916, A45456, A67220,
			A62300, A62298, Y17188, AB028859, A82595,
			A78862, D34614, A94995, D26022, AR060385,
			A30438, AJ132110, AR018138, A26615, AR052274,
			A43192, AR008278, X67155, Y12724, A43190,
			AR038669, AF058696, AZ5909, AR008443, AB002449,
			D88547, Y17187, D50010, A63261, A70867, X82626,
			AR062872, AR025207, AR008408, AR016691,
	_		AR016690, U46128, A64136, A68321, D13509,
			I14842, AR054175, AR060133, X68127
2051 HSBAI04	04 894824	Preferably excluded from the	AI809563, AA375259, D50995, D80043, D80268,
		present invention are one or more	C14389, D58283, D80188, D80391, D59787, D51423,
		polynucleotides comprising a	AW360811, D80247, D50979, D80196, D80439,
		nucleotide sequence described by	D80522, C14014, D80212, D51022, D59859, D80022,
		the general formula of a-b, where a	C14331, D80166, D80195, D59467, D59619, D80210,
_		is any integer between 1 to 566 of	D51799, D80164, D59275, D80240, D80253, D80038,
		SEQ ID NO:2051, b is an integer of	D80227, D59502, AA305409, D59927, D81030,
	-	15 to 580, where both a and b	D80248, D81026, D80269, D80366, D80219,
		correspond to the positions of	AA305578, C15076, D59610, D57483, D51060,
		nucleotide residues shown in SEQ ID	D59889, D80193, D80133, D80045, D80024,
		NO:2051, and where b is greater	AA514186, AA514188, D80302, D80157, D80378,
		than or equal to a + 14.	D51103, AW177440, D51759, D45260, D80241,
		,	D80251, AW178893, T03269, C06015, AW377671,
			AW375405, H67854, AA809122, AW178906, AW366296,
			AW360817, AW179328, T48593, AW375406, AW378534,
			F13647, AW179332, AW377672, AW179023, AW178905,
			AW177731, AW378528, AW178762, AW179019,
			AW378532, AW352170, AI525923, T11417, C03092,
			H67866, AW179020, AW377676, AW352171, AI525917,
			AW178907, AW178908, AW179024, D51250, C14227,
			AW360834, AW177733, C14973, D58101, AI525920,
			D59317, AW367950, AW177456, T03116, AI525227,

			AW178986, D81111, AW178914,
			DS94/4, AMI/8//4, D80258, AMI/9018, D80014,
			D59503, D80064, C14344, AW378533, AI525242,
			D51221, AI525912, AA514184, AI525235, AI535686,
			D51079, AW178911, AW378543, AW378525, AW378540,
			AW352163, D59551, D52291, AI525215, AW177728,
			C14046, D59627, AI525925, AI557774, C14407,
			D80168, AI557751, AI525222, D51213, AW178781,
			C16955, AI525237, Z33452, AA285331, AW378542,
			T03048, D45273, C05763, T02974, Z21582,
_			AW360855, AI525928, AI905856, AI525228, H67858,
			C14298, T02868, AW369651, AI525216, Z30160,
	_		C13958, AI525238, T11191, D31458, AI525913,
			AC000047, AR008278, AB028859, AJ132110, A84916,
			A62300, A62298, A82595, AR060385, AR018138,
			AF058696, AB002449, IS0126, IS0132, IS0128,
			IS0133, Y17188, AR016514, X67155, AR060138,
			A45456, A94995, D26022, A26615, AR052274,
			A43192, Y12724, A43190, AR038669, A25909,
			AR066488, Y09669, AR066487, A67220, D89785,
			A78862, D34614, A30438, AR008443, AR054175,
			I14842, Y17187, AR008277, AR008281, D88547,
			A63261, D50010, AR016808, AR062872, A70867,
			X82626, AR008408, AR016691, AR016690, U46128,
			AR025207, X64588, A64136, A68321, I79511,
┥			D13509, X68127, AR060133, AF123263, X72378
2052 HCQCD80	D80 894827	Preferably excluded from the	H67854, D80024, D51079, D80014, D80188, D81111,
		present invention are one or more	D80251, D80366, D57483, D80253, D59889, D51423,
		polynucleotides comprising a	D59859, AA809122, D51053, D80248, D50979,
		nucleotide sequence described by	C14389, C14014, D80268, D80439, D58246, D45273,
		the general formula of a-b, where a	D81030, D45260, F13647, D80157, AI557774,
		is any integer between 1 to 557 of	H67866, C15076, D80166, D80212, C16955, D59619,
		SEQ ID NO:2052, b is an integer of	D80133, D80210, D51799, D59551, D80240, T11417,
		15 to 571, where both a and b	C03092, D80219, D58283, D80258, D80064,
		correspond to the positions of	AA305409, D81026, D80269, D80022, C14331,
		nucleotide residues shown in SEQ ID	D80195, AA305578, D59627, C14973, Z33452,

			NO:2052, and where b is greater than or equal to a + 14.	D80196, D59467, D80247, C14227, D51022, T02974, D59503, D80168, D80391, D80164, D59275, D80045.
				D80038, C06015, D80043, D59787, D80227, D59502,
				D50995, D51103, Z21582, D59474, D59610, D51221,
				D59317, D80302, D80522, D59927, D59653, D51759,
				D51060, AI535686, C14046, C14344, C14407,
				C14298, D58101, C05763, AI525235, AA514186,
				D80193, D51213, AA514188, AA514184, T02868,
				D80241, D60010, Z30160, D80378, AI525912,
				C13958, AI525920, T03116, D80949, AI525242,
				T03048, AI525222, AI525917, AI525228, AI525215,
				AI525216, AI525227, AI525238, AI525237, C75259,
				AI525239, N66429, AI525923, C05695, AF176838
2023	HCQCF52	894830	Preferably excluded from the	AA227515, AA668992, AA521270, AA642411,
			present invention are one or more	AA912934, AI769898, U66679, AW104620, AI128014,
			polynucleotides comprising a	AA887445, AA767655, AI827845, AA527308,
			nucleotide sequence described by	AA521033, AA403157, AA769395, AI678722,
			the general formula of a-b, where a	AI806729, AI311483, AA705237, AA824500,
			is any integer between 1 to 793 of	AA971136, AI685026, AA403158, AA854414,
			SEQ ID NO: 2053, b is an integer of	AI276471, AI247618, AI675494, AI675399,
			15 to 807, where both a and b	AA733151, AA363682, AA507532, AI400404,
			correspond to the positions of	AA974072, AI810257, AW273711, T78010, AW136893,
			nucleotide residues shown in SEQ ID	F34862, AA626765, R08913, AA056272, AA743512,
			NO:2053, and where b is greater	AA369621, AA577252, C14331, AA809122, AI557751,
			than or equal to a + 14.	D51799, D59502, D80195, D80038, D80164, D58283,
				C14429, C14389, D81026, T10733, D59467, D59275,
				D80302, D80227, C15076, D80439, D80269, D80022,
				D80166, D80193, D59619, D80247, D80210, D80391,
				D80240, D59859, D80045, D50979, D59787,
				AA305409, D51423, D80253, D80043, D81030,
				AA305578, D80212, D80196, D80188, D80219,
				AA514188, D80268, D80366, D51022, D80248,
				D80522, D50995, C06015, D59927, C14014, D51060,
				D59610, D57483, D80378, D51103, D80133, D59889,
				AA514186, D80024, D80157, AW360811, AW177440,
				D51759, D80241, C05695, D80251, AW178893,

מחמחות נוואסקע המצוחנינוא נוואחנינוא מאמנימת
102503, AMS//0/1, AMS/0403, D09003, C/0253,
C14344, AW366296, AW178906, AW360844, AW360817,
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AW177731, AW378528, AW178762, AW179019, D45260,
AW378532, AI525923, H67854, T03116, C03092,
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C14407, N66429, AW179020, D59317, AW377676,
 AW352171, D80258, AW352170, T11417, AW178907,
AW178908, AW179024, D58246, AW352117, F13647,
AW177456, D51250, AW360841, AW360834, AW352120,
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AW367950, AW178909, AW179004, D59551, AW179329,
AI525917, AW178980, AW178986, AW178914,
AW178774, C14227, AW178754, AW179018, AW352158,
D80014, AI535665, C14973, AI525920, AW378533,
D59695, D51221, D59474, D60010, AI535959,
AI557774, D60214, AA514184, AW179009, AW179012,
AW178911, AI525227, AW378543, AW378525,
AW378540, AW177722, AW352163, D52291, D58101,
C14046, AW177734, C14957, AI525235, AW177728,
AI525925, D80949, D59627, AI525542, T02868,
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AI910186, D59976, AI525912, AA285331, AW378542,
AF038950, AB005289, AF078777, AF133659,
AR028561, U43892, A82595, A30438, A62298,
A84916, AR018138, A62300, AR060385, Y17187,
AB028859, AJ132110, AB002449, AF058696, Y17188,
AR008278, IS0126, IS0132, IS0128, IS0133,
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X67155, AR060138, A45456, I14842, A94995,
D26022, A26615, AR052274, A43192, Y12724,
A43190, AR038669, A25909, A67220, AR066488,
Y09669, AR066487, X68127, D89785, A78862,
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				AR032065			
2054	нсоре22	894831	Preferably excluded from the	N58518, AA6	N58518, AA699859, AA677543, AC006556	13, AC00	9229
			present invention are one or more				
			polynucleotides comprising a				
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 829 of				
_			SEQ ID NO:2054, b is an integer of				
			15 to 843, where both a and b				
			correspond to the positions of				
_			nucleotide residues shown in SEQ ID				
			NO:2054, and where b is greater				
			than or equal to a + 14.				
2055	HWLVU33	894832	Preferably excluded from the	AA775419, A	AI273235, AI754	AI754154, AI446402,	[446402,
			present invention are one or more	AI640735, A.	AI468600, AA602	AA602645, AI675266,	1675266,
			polynucleotides comprising a	AA460180, A	AI382693, R4004	13, AA81	R40043, AA813916, AL119457,
			nucleotide sequence described by	AI110849, A	AL042544, AL042	AL042382, AL119399	1119399,
			the general formula of a-b, where a	AL079794, A	AA225339, AI468	AI468872, AW	AW262565,
			is any integer between 1 to 739 of	A1499463, A	AI680498, AI362	AI362637, AI	AI491852,
			SEQ ID NO:2055, b is an integer of	AL043326, A	AL135661, AI224	AI224992, AI	AI648684,
			15 to 753, where both a and b	AL045903, A	AI679990, AI590	AI590118, AW	AW148716,
_			correspond to the positions of		AI282326, AI554245,	1245, AI	AI857296,
			nucleotide residues shown in SEQ ID	AI701074, A	AI569616, AI446	AI446605, AW	AW087445,
			NO:2055, and where b is greater	AW071417, AI636445,	1636445, AIS67	AIS67360, AI	AIS91316, N42321,
			than or equal to a + 14.				AI612920,
_					AI801766, AA640	AA640779, AA	AA287231,
				AI811344, A	AI520785, AI886	AI886124, AI	AI690312,
_				AI590120, AI475451,		AL040243, AI	AI554427,
				AI273142, A	AI097248, AW103893,		AW150578,
				AI869367, A	AI868831, AI633	AI633419, AI	AI433976,
					AW302988, AW274	AW274192, AI	AI687065,
					AI800453, AI800		AI684265,
				AW023590, A	AI273048, AI53	AI539771, AI	AI816947,
				AI610756, A	AI274013, AI500146,		A1537677,

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	AI281779,	AI252813,	AI453322,	AI498579,	_
	AW002342,	AI824557,	AI702433,	AI343059,	
	AI799199,	AW082040,	AW102785,	AI561299,	
	AI610645,	AI349933,	AW301409,	AI888953,	
	AW088903,	AL038565,	AW088793,	AI866002,	
	AI828731,	AI866608,	AI866111,	AI919345,	-
-	AW162071,	AI251830,	AI366549,	AI636719,	
	AW238730,	AI802542,	AL120736,	AL036214,	_
	AW074993,	AI349614,	AI800411,	AI538085,	•
	AI445165,	AW268253,	AA508692,	AI312152,	
	AI952360,	AI264741,	AI340582,	AI784252,	
	AW132034,	AW193000,	AI349937,	AI702406,	
	AI567993,	AW301410,	AI571909,	AI349004,	
	AI620287,	AI917055,	AI307708,	AI318280,	-
	AI680388,	AI308035,	AL036146,	AL036759,	
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	AI682743,	AI678302,	AL079963,	AW403717,	_
	AW071349,	AI439478,	AW268220,	AIS60099,	
	AW103371,		AI521012,	AI270707,	
	AA470491,	AI281837,	AW243820,	AI801152,	
	AI439745,			AL079741,	
	AW301505,		AI922901,	AI249257,	
	AI590999,			AI564247,	
	AI282281,		AI925156,	AW169653,	
	AW303061,		AI608936,	AL119863,	
	AW075413,	AIS00077,	AW167410,	AI282903,	
	AW300889,			AI567612,	
	AI284131,	AIS70989,	AI312428,	AI619749,	
	AI567351,	AL134259,	AI431424,	AI250663,	
	AL119828,			AL036980,	
	AA938383,	AI133559,	AI349598,	A1572676,	
	AL036802,	AL036802, AI269862,		AW071177, AI476109,	

AI345735,	, AI648663, AL036396, AI950664,
AI872074,	AI872074, AW168723, AI538716, AA613907,
AW089572,	, AI334884, AI348897, AL036274,
AI433157,	, AI500659, AW068845, AI612885,
AI340627,	AI340627, AI634224, AI445237, AW151138, Y11587,
AF158248,	AF158248, S68736, I48979, AL122093, AL122050,
AF125949,	AF125949, AL133640, AL110196, AL133016,
AL117457,	AL117457, AL137557, I48978, A08916, AF113013,
N 189947, A	I89947, AF078844, A08913, S78214, I89931,
A93016, A	A93016, AL080137, AF118064, L31396, L31397,
 AF017152,	AF017152, AL080060, AF113694, AF113691,
AL050393,	AL050393, AL133565, AF113690, AF113019,
AF090934,	AF090934, A65341, AL137459, AL137527, U42766,
AF090943,	, AF090900, AF113676, AF111851, I49625,
AL133557,	, AL110221, AF125948, AL050146,
AB019565,	, E03348, AF118070, X84990, AL050149,
 AL133606,	
AL080124,	
 AF091084,	
AJ242859,	
AL117394,	
AF090903,	, AL096744, AF146568, AF090896,
AF090901,	, AR059958, AF079765, AF106862, Y16645,
AL117585,	, AL133075, X82434, AJ000937, AL133080,
AF113699,	, AL049466, AL137550, AL050277, E07361,
AJ238278,	AJ238278, AL049464, AL050138, A08910, AL133560,
AL137283,	AL137283, AL122098, AL049382, E02349, AF177401,
AL049300,	AL049300, AF097996, AL117583, E07108, AL080127,
U00763, A	U00763, AL117435, A58524, A58523, A08909,
AL049430,	, Z82022, A77033, A77035, AF118094,
 AF183393,	AF183393, A08912, I33392, AL050024, X72889,
AL137538,	AL137538, X70685, U67958, AL133113, AL137271,
142402, A	I42402, A12297, X96540, AF061943, AL137648,
 I03321, A	I03321, AL137463, X93495, U35846, AL137521,
X65873, A	X65873, A03736, AL122110, U80742, U72620,
AL137560,	AL137560, I09360, AL049283, AJ012755, AF119337,

			AF087943, AL122111, AF067728, AL080159, AL1333072, X98834, AL055172, AL110197, E08263.
			E08264, U77594, A07647, AL122049, E15569,
			AR000496, U39656, S61953, AL133568, AF000145,
-			Z72491, AL137476, AF026124, U96683, I17767,
			Y09972, I26207, ALI33077, AF111112, AF057300,
			AF057299, M30514, AL137556, AF132676, AF061836,
-			A93350, AL133014, AF026816, AF003737, AF095901,
			A08911, AL137523, I00734, I66342, U68387,
			Z37987, E00617, E00717, E00778, E02221,
			AL133104, AL080074, AR013797, AL137526,
			AF081197, AL133098, AF079763, AR038969,
_			AF067790, A45787, E05822, AL110280, AF106827,
			Y14314, AC006371, AL133067, AF153205, AL137429,
			AF100931, E04233, AF118090, AF185576, X83508,
			AF162270, AF081195, L19437, AL117440, AR038854,
			AL137533, A90832, Y07905, X62580, AJ006417,
			X53587, AF111849, L30117, AF061573, U49908,
			AL137705, AF008439, AC004200, X87582, U58996,
			AF000301, E08631, AL137300, AL122118, U88966,
			AR054984, AL080158, AL023657
2056 HAJAY88	894842	Preferably excluded from the	AI432644, AI623302, AI432655, AI431310,
		present invention are one or more	AI432654, AI431337, AI431328, AI432651,
		polynucleotides comprising a	AI432677, AI432666, AW081103, AI432653,
		nucleotide sequence described by	AI431312, AW128900, AI431347, AI431230,
		the general formula of a-b, where a	AI432662,
		is any integer between 1 to 4002 of	AI431243,
		SEQ ID NO:2056, b is an integer of	AI432675,
		15 to 4016, where both a and b	AI432665,
		correspond to the positions of	AI431351, AI431345, AI432672, AI431254,
		nucleotide residues shown in SEQ ID	
_		NO:2056, and where b is greater	AI432674, AI431340, AI432664, AI431307,
		than or equal to a + 14.	AI431316, AI791349, AW128897, AI432657,
			AI431247, AI431358, AI492520, AW129223,
			AI432643, AI431751, AI492509, AI492510, Y17793,
			AF064854, AF019249

2057	HCRPM46 894878	894878	Preferably excluded from the	AL119319,	AW392670,	AL119319, AW392670, AL119418, AL042551,	AL042551,	
			present invention are one or more	AW372827,	AW363220,	AW372827, AW363220, AW384394, AL119497, Z99396,	AL119497,	299396,
			polynucleotides comprising a	U46341, A	L119483, Al	U46341, AL119483, AL119457, AL119443, AL119324,	1119443, AL	1119324,
			nucleotide sequence described by	AL119484,	AL119363,	AL119484, AL119363, AL119341, AL119391,	AL119391,	
			the general formula of a-b, where a	AL119355,	AL134531,	AL119355, AL134531, AL134518, U46351, U46349,	U46351, U4	16349,
			is any integer between 1 to 573 of	AL042965,	AL119399,	AL042965, AL119399, AL119335, AL119522,	AL119522,	
			SEQ ID NO:2057, b is an integer of	AL119396,	U46350, U	AL119396, U46350, U46347, AL119496, AL119444,	19496, AL11	19444,
			15 to 587, where both a and b	U46346, A	L134528, Ai	U46346, AL134528, AL042975, AL134538, AL042542,	1134538, AI	L042542,
			correspond to the positions of	AL037205,	AL134920,	AL037205, AL134920, AL134533, AL119439,	AL119439,	_
			nucleotide residues shown in SEQ ID	AL042614,	U46345, Ai	AL042614, U46345, AL043019, AL042984, AL043029,	1042984, AI	L043029,
			NO:2057, and where b is greater	AL042896,	AL043011,	AL042896, AL043011, AL042970, AL042450,	AL042450,	
			than or equal to a + 14.	AL042544,	AL043003,	AL042544, AL043003, AL119488, AL119464, A81671,	AL119464,	A81671,
				AR060234,	AR066494,	AR060234, AR066494, AB026436, AR054110, AR069079	AR054110,	AR069079
2058	HOE0Q19	895122	┝	AA307684,	AA232750,	AA307684, AA232750, AI417539, AA100160,	AA100160,	
	_		present invention are one or more	AA232253,	AA864846,	AA232253, AA864846, AA244504, AA244505, R57782,	AA244505,	R57782,
			polynucleotides comprising a	AW364482,	AW364479,	AW364482, AW364479, AR044133, AR044123, AR044135	AR044123,	AR044135
			nucleotide sequence described by					
_			the general formula of a-b, where a					
			is any integer between 1 to 1049 of					
			SEQ ID NO:2058, b is an integer of					
			15 to 1063, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:2058, and where b is greater					
			than or equal to a + 14.					
5059	HKGBP52	895303	Preferably excluded from the	AW058657,	AA400627,	AW058657, AA400627, AI692280, AI342528,	AI342528,	
			present invention are one or more	AI743405,	AA400382,	AI743405, AA400382, AI675621, AI808100,	AI808100,	
			polynucleotides comprising a	AI688291,	AI340200,	AI688291, AI340200, AI701582, AI813453,	AI813453,	
			nucleotide sequence described by	AW135173,	AI343951,	AW135173, AI343951, AI299820, AA393033, T03738,	AA393033,	T03738,
			the general formula of a-b, where a	N24268, H	98701, AIO	N24268, H98701, AI040531, R56558, H54669,	558, H5466	,6
			is any integer between 1 to 2702 of	AI830628,	H01460, C	AI830628, H01460, C16675, AA707616, H00353,	07616, HOO	353,
			SEQ ID NO:2059, b is an integer of	AI146912,	H01555, R	AI146912, H01555, R21829, AI755214, AI754567,	55214, AI7	54567,
			15 to 2716, where both a and b	AI754105,	R56559, A	AI754105, R56559, AA535216, AI249688, AI080307,	I249688, A.	1080307,
			correspond to the positions of	AL135377,	AW131356,	AL135377, AW131356, AI038304, R21894, AW103406,	R21894, A	W103406,
			nucleotide residues shown in SEQ ID	AIS69100,	AI858691,	AI569100, AI858691, AI583142, AW192599,	AW192599,	
			NO:2059, and where b is greater	AI077941,	AA176978,	AI077941, AA176978, AA704393, AA602906, H00307,	AA602906,	H00307,

	than or equal to a + 14.	AA491767, AA719073, AA659832, AW270385,
		AI884383, AI354423, AI061313, AI590458,
		AI679002, AW270255, AI679759, AI926728,
		AI590499, AW069227, AI732502, AI791458,
		AI609972, AI754336, AI590580, AI499376,
		AW022934, AI753113, AW277253, AW438856,
		AA584765, AA484892, AI791659, N71685, AA444166,
		H85383, AA171892, AW089950, AI572680, AA715173,
		AI636734, AA720702, T57096, AI707788, AA622801,
		T71936, AI431513, AA583386, AA525753, AI753488,
		AI340151, AC002565, AC004841, AC007766,
_		AC005244, U63630, AL080317, AC007283, AC000159,
		U47924, AL035455, AJ010770, AC004013, AC004887,
		AC005067, AC007216, AL035454, AC005971,
		AC006064, AF129756, AC006581, AC005102,
_		AC005088, AC005280, AC010170, AC004685, Z82976,
		AC006511, AC004148, AF045555, AC002551,
		AD000833, AC005670, Z98750, AL078581, AC005004,
		AP000505, AC006241, AL109628, AL033527,
		AC005365, AL109759, AL023575, AL049759,
_		
		AF134726, AF030453, AC005488, AC006141,
		AP000512, AC007250, AC007687, AC004534,
		AC007308, AC005332, AL034429, AL021331,
		AC006449, AC004518, AL034582, AC016025,
		AP000031, AC002395, AL080243, AC005531, U80017,
		Z93023, AC004922, AC005519, AC005914, Z83844,
		M63544, AC010077, AB023048, U91319, AC004895,
		AL022722, AF109907, AL139054, L47234, AL034423,

				ACOUSOUS,	542653, ACUUS821, ALUS0307, ACOU4878,
				AL031659,	AL031659, AC005755, AC005666, AC004531,
				AC006014,	AC002059, AC005871, AC004686,
				AE000658,	AC005722, AC007363, AC004262,
				AC004805,	AC004805, AL109827, AL121572, AC005212,
	_			AC002545,	AC002545, AC004820, AC005527, AC002369,
				AC006277,	AC006277, AC003982, U85195, AC002558, AC004098,
				U07563, AC	U07563, AC007011, AC007774, AC006312, AL023882,
				AL021453,	AL021453, L44140, AC004447, AP000518, AC004223,
				M30688, AC	M30688, AC005228, AC005011, AL132992, AL031230,
				Z94802, AC	Z94802, AC005529, AC007559, AC004785, AB023054,
				AC007387,	AC007387, AF067844, AC004802, AC005261,
				AC005520,	AC005520, AP000346, AC002470, U62293, AL033392,
				AP000552,	AP000552, AC005625, AC006236, AC006318,
				AJ004799,	Z97054, AC005479, AP000008, AC005618,
				AC005037,	AC005565, AL009183, AC002316,
					AC005182, AC006537, AC007151,
					AC007384, AC007536, AL022323,
					AC000379, AC005696, AC002544,
					AL031670, Z77249, U95740, AL096678,
				AC007666,	AC004551,
				AC007227,	AL133500, AB015355, H54670
2060	HOUHL17	895372	Preferably excluded from the	AI672040,	AL037809, AI921086, AW205338,
			present invention are one or more	AI346874,	AI379288, AI057116, AW152412,
			polynucleotides comprising a	AA643506,	AI753970, AW297898, AI089940,
			nucleotide sequence described by	AI151007,	AA747432, AA781418, AI287276,
			the general formula of a-b, where a	AI949867,	AW055035, AA809274, AI375114,
			is any integer between 1 to 1999 of	AA314065,	AI610827, C05162, AI042079, AA449983,
			SEQ ID NO:2060, b is an integer of		AA436528, AA857802, AI695102,
			15 to 2013, where both a and b		AI287893, AI144264, AA831336,
			correspond to the positions of	AW102601,	
			nucleotide residues shown in SEQ ID	AI004208,	AA436477, AI914752, AIS80398,
			NO:2060, and where b is greater	AI435344,	
			than or equal to a + 14.		
				AI273820,	AI124065, AA724118, R38638, AI269172,
		i		AA453119,	F13485, AI467814, AI630648, C04391,

AA448779, D57975, AI474663, AA627283, AW351677. AA362005, T06370, AA581145, F11298, H03672, AA383368, F08958, D62803, H03671, AI264956, C16419, F10353, AW398837, AA243374, A1796664, AI786552, AI665343, AW391667, AI800690, AIS39480, H87103, AW150643, AC008498, AL021997	AI223386, AI279733, AI453754, AA838730, AL043887, AI373900, AI080395, AI223392, AI750397, AA813743, AI911812, AA253429, AI750397, AB043886, T81826, AI221738, T65287, T65235, AR052513, D50419	AC006050	AW084003, AA570505, AA526186, AW006250, AW007762, AI458032, AA149494, AI799666, AI341557, AI084783, AI190971, AI377966, AI085276, AI972710, AI962810, AW148913, AI380460, AI123203, AI122899, AW007426, AI863288, AA603886, AI307748, AI921067,
	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 2581 of SEQ ID NO:2061, b is an integer of 15 to 2595, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:2061, and where b is greater han or equal to a + 14.	Preferably excluded from the present invention are one or more polynuclectides comprising a nuclectide sequence described by the general formula of a-b, where a is any integer between 1 to 540 of 550 ID No.2062, b is an integer of 15 to 554, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO.2062, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1834 of
	895675	895781	895927
	HDPPB40	HWLOI29	HCRMJ47
	2061	2062	2063

			SEO ID NO:2063, b is an integer of	AA149490.	AA149490. AI280975. AI336463. W73495. AI367500.	AI336463.	W73495. AI	367500.
			15 to 1848, where both a and b	W73595, AV	W73595, AW149089, AI814701, AI766921, AW450642,	814701, AI	766921, AW	450642,
			correspond to the positions of	AA235464,	AA235464, AI189309, AW072576, AI129064,	AW072576,	AI129064,	
			nucleotide residues shown in SEQ ID	AA574230,	AA574230, AA292528, AA650188, AI589229,	AA650188,	AI589229,	
			NO:2063, and where b is greater	AW294024,	AW294024, AI580733, AA037024, AI288103	AA037024,	AI288103,	
			than or equal to a + 14.	AA877009,	AA877009, AI660255,	F24537, A.	F24537, AA578293, AA047125,	.047125,
				AA864573,	AA864573, AI274628, AW188597, AI572782,	AW188597,	AI572782,	
				AA374109,	AA374109, AI866359, AA558228, AA621604,	AA558228,	AA621604,	
				AI264439,	AI264439, AA658397, AI652870, AA573559,	AI652870,	AA573559,	
				AA573997,	AA573997, AI567038, Z39737, AW236431, AW243333,	Z39737, AM	7236431, AM	1243333,
				T81066, A	T81066, AI684973, AA034505, AW377101, AA372354,	1034505, AM	4377101, AA	372354,
				AA047126,	AA047126, AB027466, AR035961, AR037874,	AR035961,	AR037874,	
				AR035966, AR035967	AR035967			
2064	HLDXE66	800968	Preferably excluded from the	AIS00518,	AIS00518, AW328444, AW327862, AI971783	AW327862,	A1971783,	
			present invention are one or more	AW328440,	AW328440, AW328380, AW328614, AW327796,	AW328614,	AW327796,	
			polynucleotides comprising a	AW007896,	AW007896, AI628924, AW410322,	AW410322,	AW409642,	
			nucleotide sequence described by	AW328007,	AW328007, AW328376, AW087373,	AW087373,	AI754439,	
			the general formula of a-b, where a	AW409590,	AW409590, AI287514, AA551550,	AASS1550,	AA501684,	
			is any integer between 1 to 473 of	AI440000,	AI440000, AA603360,	AI818460,	AI201181,	_
			SEQ ID NO:2064, b is an integer of	AI610070,	AI610070, AW409683,	AA535393,	AI699829,	
			15 to 487, where both a and b	AI559540,	AI560651,	AA574413,	AI827247,	-
			correspond to the positions of	AW328350,	AW328609,	AA513486,	AI754460,	
			nucleotide residues shown in SEQ ID	AW134985,	AW134985, AI755116, AW007719, AA283266,	AW007719,	AA283266,	
			NO:2064, and where b is greater	AA854768,	AA854768, AI497632, AA772414, AA496883,	AA772414,	AA496883,	
			than or equal to a + 14.	AW328320,	AW328320, AA679713, AIOS0044, AW020501,	AI050044,	AW020501,	
				AI619744,		AI339813, AA886011, AW250421	AW250421,	-
				AI274211,		4579416, AJ	F32918, AA579416, AA632536, AI567937,	1567937,
				AI831479,		AI151481, AI186976, AA877933	AA877933,	
				AI185119,		AI620681, AA757769, AI690593,	AI690593,	
				AA714364,		AA558105, AI922235, AA632723,	AA632723,	
				AA843775,		AI924171, AI961721, AW250755,	AW250755,	_
				AW090148,			AI123375,	
				AW090155,	AW081336,	AI539209,	AI890302,	
			•	AW245791,	AI573062,	AI028444,	AI863898,	N64026,
				AI439763,	AI439763, AA847963, AI749978,	AI749978,	AW261931,	-
				AI634383,	AI634383, AI191638, AI198771, AI719450,	AI198771,	AI719450,	

		- 1			
	7	AI344453, 1	AI718439,	AI268677, AI631303	A1631303,
		AI253560, 1	AW250772,	AI796657, AA536044,	AA536044,
		AA569292, 1	AW169077,	AI570813,	AI697471,
		AI149358, A	AI355377,	AA610275,	AI674831,
		AI114866, ;		AI193415,	AIS71454,
		AW262848, 1	AA600356,	AW316876,	AA536172,
		AI185211, A	AI660181,	AW273029,	AI818029,
		AW192285,	AA580796,		W73177, AW080272,
		AI619835,	AI620986,	AI830017, AI478688,	AI478688,
		AI925379,	AI813549,	AI813549, AI683998,	AI745129,
		AI491901,	AW338471,	AIS82160,	AW338471, AIS82160, N91538, AW090784,
		AI610180,	AI697356,	AI697356, AI660159,	AI925537,
		AI224078,	AI859783,	AI859783, AW028278, AA598891,	AA598891,
		AI281231,	AI289421,	AI289421, AW305195, AA908802,	AA908802,
_		AW073669,	AI800405,	AI800405, AI342580, AI432916,	AI432916,
		AW170472,	AAS13180,	AA513180, AA653476, AI272858,	AI272858,
		AI963461,	AI620289,	AI620289, AI523503, AI891159,	AI891159,
			R02544, F2	4388, N323	R02544, F24388, N32326, AI270199,
		AI924530,	AW242012,	AW242012, AA448266, AI557537	AI557537,
		AIS60707,	F20364, A	754142, AA	F20364, AI754142, AA776791, AI206373,
			AIS10744,	AIS10744, AA723534, AI831263	AI831263,
			AI979037,	A1979037, AA879052, AW118551,	AW118551,
		AI673755,	AI951247,	AI951247, AI962912,	AA737215,
		AW005146,	AI624705,	AI624705, AA662258,	AW023162,
			AA984855,		AI921779,
		AI734902,	AI573083,	AI573083, AI718498,	AW170473, N32870,
		AI924173,	AIS23495,	AI523495, AW166489,	AI860956,
		AW073952,	AI818256,	AI818256, AI000938,	N31753, AI583997,
		AI749136,	AI333494,	AA580751,	AI333494, AA580751, AA879000, W85708,
		AA508174,	AW328608,	AW328608, AI439940, AI689023	AI689023,
		AI983079,	AI924195,	AI924195, AW188874, AA491865,	AA491865,
		AA312014,	AA908266,	AA312014, AA908266, AI160628, AI860497,	AI860497,
		AI185035,	AW084818,	AI185035, AW084818, AI557538, AW273989	AW273989,
		AW148607,	AI735229,	R16758, AI	AW148607, AI735229, R16758, AI333611, AW079820,
		T50503, F2	1939, AW3	17470, AI16	T50503, F21939, AW337470, AI160685, AA507934,
		W37825, AA	483482, A	1248884, AP	W37825, AA483482, AW248884, AA046751, AI654327,

				AI969498,	AW245433,	M36072, AC	AI969498, AW245433, M36072, AC000089, X06705,	Г
				AJ224080,	AC004217,	X61923, XS	AJ224080, AC004217, X61923, X52138, AC002107,	_
				AL034417,	AL034417, AB023058, AP000521, AL022723,	AP000521,	AL022723,	
				AF055066,	AF055066, AJ224082, AC004192, AC004172,	AC004192,	AC004172,	
				AJ224081,	AJ224081, X15013, AC000399, AC005042,	000399, AC	3005042, Z84469,	
				D63790, AC	C004129, AI	,031736, AC	D63790, AC004129, AL031736, AC007110, AL078595,	
				AC002452,	Y17212, TS	1109, TSS7	AC002452, Y17212, T51109, T55719, T56886,	_
				T58519, T	59899, T59	90, H50847	T58519, T59899, T59990, H50847, H98782, N24572,	-
				N34014, N	95637, W697	35, AA025E	N34014, N95637, W69735, AA025830, AA070711,	_
				AA079673,	AA079673, AA084650, AA085276, AA102516,	AA085276,	AA102516,	
				AA148893,	AA148893, AA150738, AA156887, AA181948,	AA156887,	AA181948,	
				AA187531,	AA187531, AA425933, AA428802, AA226324,	AA428802,	AA226324,	_
				AA279495,	AA480450,	AA480450, AA484692, AA523996,	AA523996,	
				AA535068,		F15687, AJ	F15687, AA586409, AA602157,	_
				AA603678,	AA610650,	AA610650, AA632560, AA580635,	AA580635,	
				AA730447,	AA730447, AA737209, AA862929, AA863478,	AA862929,	AA863478,	_
				AA885536,	AA886913,	AA886913, AA954603, AA962430,	AA962430,	
				AA975386,		AA991428,	AA976970, AA991428, AA999672, N87911,	
				AA641479,	AA129690,	AA211080,	AA641479, AA129690, AA211080, AA400765, F20644,	_
				AA775513,	AA283334,	AA283334, AI078081, AI078082,	AI078082, T11296,	
				AA693434				_
5065	HAIBM54	897234	Preferably excluded from the	AW245845,	AW245845, AW245888, AW247437, AA226733	AW247437,	AA226733,	
			present invention are one or more	AA019081,	AA019081, AA325881, AW247424, AA324707,	AW247424,	AA324707,	_
			polynucleotides comprising a	AI802708,	AA315689,	J04469, Z	AI802708, AA315689, J04469, Z13969, X59737,	
			nucleotide sequence described by	213968				_
			the general formula of a-b, where a					
			is any integer between 1 to 561 of					
			SEQ ID NO:2065, b is an integer of					
			15 to 575, where both a and b					
			correspond to the positions of					_
			nucleotide residues shown in SEQ ID					_
			NO:2065, and where b is greater					
			than or equal to a + 14.					
5066	HSXAX45	897524	Preferably excluded from the	A1459464,	AI459464, AA808743, AI144559, AA861434,	AI144559,	AA861434,	Γ
			present invention are one or more	AA404217,	AA404217, AA630335, AI831253, AI248728,	AI831253,	AI248728,	
			polynucleotides comprising a	AI870869,	AI870869, AA618605, AI458793, AI027413,	AI458793,	AI027413,	

	nucleotide segmence described by	AA918131. AI128366, AW405777, AI800139,
	the general formula of a-b, where a	
	is any integer between 1 to 772 of	AA461611, AW189901, AA461439, AA586689,
	SEQ ID NO:2066, b is an integer of	AA915895, AA991975, AA642111, AI033160,
	15 to 786, where both a and b	AA459952, AA503924, AA622287, AI126939,
	correspond to the positions of	AA724107, AA460041, AI215829, AI312833,
	nucleotide residues shown in SEQ ID	AA772627, AA442303, AI936227, AI200468,
	NO:2066, and where b is greater	AI282278, AI167870, AI130767, AW130869,
	than or equal to a + 14.	AI813604, AA847250, AI151532, AA437238,
		AI338407, AI192747, AI283778, AI460353, W56676,
		AA757574, N57307, AA676676, AI371859, AA992661,
		AI087026, AI669032, AI149595, AW406281,
		AA946707, AI245790, AI198433, AA831222,
		AI075992, AW073856, AI763210, AA442843, N21005,
	-	AI952652, AA508853, AA486261, AA526931, W40406,
		AA486260, AA024930, AA284849, N29407, AA768383,
-		W40407, AA437013, AA024825, AI185523, AA722830,
		AI349462, AI250412, AI269354, AA133169,
		AA894509, AW170573, AA921691, AA284802,
_		AI302348, AA292566, AI193841, AA578220,
		AA507115, AI862001, W37391, AI022024, W24131,
	_	AA740528, AI186092, AI467975, AW103067,
		AA524571, AA229574, N95179, R62977, AA634150,
		N32209, AA235699, H96097, AA658144, N57342,
		AI206465, AA640985, AW004616, AI016392,
		AA143283, AI262367, R63032, R99896, AW406045,
		AI125021, AA143393, AI523228, AI339136,
		AA946883, AI347544, AI188553, R92363, AA177015,
		F31926, AI679670, W37497, AI583398, AI202671,
		H04881, AI033929, AA876042, H20673, AA298828,
		R79287, AI051474, N99131, AI817004, AA687956,
_		R79180, AA635984, AI138519, AI270668, AA693744,
		AA297347, N70831, N47384, T54362, AI216682,
	-	AA297222, AA587485, N32134, AI066418, AI300272,
		AA296828, AA298518, R99897, AA298240, AI833094,
		AA298536, AI186393, H22510, AI189398, H22509,

				DRCCORE CCELER SERVE NERVE SERVED
				R76074, AA297370, H04783, T85291, AA298741,
				AA302967, H27066, AA404603, AA298381, AA297378,
				AA765280, R35471, AA302689, H79531, F36801,
				AA927760, AA298514, H73217, AA298519, N25286,
				F24740, AA112093, AI216691, AA083801, AI970763,
_				N77700, AA297394, AW452564, N25282, AA247750,
				H65350, AI563987, AI146648, W51900, W01428,
				D31025, AI989423, AA536023, AA297194, T85501,
				AA093872, AA876242, AI420825, AI685575,
				AA229674, AA297898, AA552821, AI650972,
				AI434732, AA297186, W69409, R34274, AA297309,
				AI950138, AA094185, H27270, AI636819, AA648182,
				W21537, H65557, N79089, W69596, AIS00252,
				AA552687, H73717, AW008699, W21396, N95173,
				Z69043, Z68129, U52111, X90583, Z19087,
				AF174394, AF100694, AF125570, AF118386,
				AL049963, AL080096, AL080106, H37822, AA507362,
				F18464, D19878, A1127803
2067	HE8PB56	897898	Preferably excluded from the	AW167175, AI740811, AI814625, AW372977,
			present invention are one or more	AW379570, AI830090, AA843925, AW372976,
			polynucleotides comprising a	AW269507, AW379557, AI378931, AI817634,
			nucleotide sequence described by	AI858698, AI828457, AI694126, AW392769,
			the general formula of a-b, where a	AI830092, AI422742, AI400366, AI092688,
			is any integer between 1 to 2007 of	AI890963, AI679511, AI913025, AA253194,
			SEQ ID NO:2067, b is an integer of	AI419413, AI811323, AI951020, AI022434,
			15 to 2021, where both a and b	AI683943, AI525592, AA568164, AA688138,
			correspond to the positions of	AI452382, AI146463, AI400768, AI288461,
			nucleotide residues shown in SEQ ID	AA906505, AI924309, AI167393, AA654360,
			NO:2067, and where b is greater	
			than or equal to a + 14.	AA614431, AI346389, N62092, AA626034, AI023936,
				AW043643, AW273008, AA159711, AI921444,
				AA159816, AA482352, W38893, AW268508, AI970751,
				AI985699, AIS87086, AI860660, AI475132, N95055,
				AI075057, AW274617, AW304099, AA160381,

	AA506029, AW238652, AA086218, AA482254,
	AI436339, AI291597, H99748, AI278514, AA610151,
	R63720, R70906, AA471074, R77169, AA079633,
	AA480373, AA468385, AW302595, R82584, AI446687,
	AI283412, AI816752, H97740, AA932817, W93394,
	R82585, AI682734, AA844033, AA639961, AI880674,
	AW104925, AW261859, H21696, AI291596, H01942,
	AI168626, AA935864, AA580370, AA258741,
	AA618219, W93362, AA258377, AW238247, AI190841,
	AI091676, AA328654, AI932899, C17106, AA297487,
	AA159815, D79077, AA158761, AW134560, R70993,
	W79646, AA296799, AA159710, R63767, R70905,
	AA159565, AI472890, AA298549, AI492053,
	AA016203, AI811530, AA469417, AA076609,
	AA468424, AI202629, AI858629, AA297628, C00038,
	R27158, H21906, AI268312, AW242097, AA298285,
	A1955543, R39395, A1471235, A1572472, AI383070,
	AI04960B, AA63103B, AA188520, AA298874,
	AI369025, AW190612, AA297272, AW379900, C17487,
_	AA385499, T48546, AI887113, AA297236, AA328285,
	R3B317, AW265590, W93606, R23770, AW050524,
	AA372564, R32172, AA583881, AA253195, R32216,
	R70940, AI000172, R23723, AAI00383, AI572289,
	AW238464, AA352092, AI890265, AA382912,
	AW117913, AA076610, N87013, AI813387, AA340827,
	H04495, C06417, H23455, A1474703, T24990,
	AA203668, AI561317, AI917619, AI858794, T10423,
	R26913, AA079807, AI350112, AW384494, W32530,
	AI866316, AI436481, AI619820, AI307557,
	AL135545, AI434731, AW268743, AI690687,
	AI274811, AI799540, AI761468, AW079334,
_	AW059828,
	AI267185,
	AI784214,
	AA659410, AI537677, AI225000, AI860027,

				AW191844, AI473451, AI922550, AI161279,
		-		AI249274, AW410302, AI401697, AL023582, X70685,
				AF113019, A18777, AL080110, Z97214, A52563,
				A12297, AF151109, I48978, X72624, E01573,
-				E02319, I89947, AL050277, E06743, A23630,
				E12580, A08907, AF131821, AL117626, I17544,
	_			ALOS0155, AR068466, AL137480, U77594, AF028823,
				X66871, I33392, M27260, AL049283, A08913,
				I09499, AL137488, A58524, A58523, A12522,
				AF118094, A08912, A08910, A08911, A08909,
				AL110218, AR038854, AF031903, A08908, AF031147,
	-			AF039138, AF039137, A18788, S76508, AJ012582,
	•			AF065135, AL080154, A45787, AL137275, AL117394,
				AL050138, L13297, I18355, S36676, E02253,
				I34392, U35846, S77771, I89931, AL117648,
				Y10080, AF097996, E12579, AF114168, AL137529,
				AR029490, I49625, AR068753, S83456, U92068,
				AF183393, Y10655, AF117959, X76228, X87582,
		_		AF215669, AL137523, AL137648, X55446, AF185614,
				U78525, AL110222, AL133606, I68732, AR011880,
				I89934, A93016, E08516, AL035458, AR068751,
				AF090934, X83544, AL122106, AL137574, AF177401,
	_			AL080148, AL137294, AL096751, AJ005690,
-	-			AL137550, X98834, I08319, E15569, E02914,
	-			Y11254, A76337, A76335, I92592, A91160, U37359,
				AL049466, AF044323, S68736, AL137665, AL110269,
	_	-	_	AF081197, AF081195, AC004213, AF087943,
				AL137530, AF184965, AL136842, X65873, AF000145,
				AJ004832, S78214, A21103, AL110171, E05822,
				A90844, AF111849, M86826, AL117649, Y09972,
				E08631, U73682, AL137521, AF090901, AF140224,
		•		I48979, S54890, A65965, AB019565, A57389,
				Y11587, X84990, AF017152, D00174, AF112208,
_				AL080162, A65943, M92439, M80340, AC004200,
		-		E12747, AF111112, M19658, AJ001838, A08456,
				AJ000937, AF118090, AF109155, AL110158,

				AL117457, Y14634, I3	AL117457, AL122045, AL137284, AL137533, U57352, X14634, I32738, A08916, E01614, E13364, A03736,	137284, E01614	AL137533, 1 E13364, 3	U57352, A03736,
				AB029065,	AB029065, AF069506, J05277, AF104032, AL133623,	5277, AF	104032, AL	133623,
				S63521, AL	S63521, AL137478, U76419, AL110221, AJ003118,	19, AL11	0221, AJ00	3118,
				AF185576,	AF185576, S79832, U42766, AF022363, I89944,	66, AF02	2363, I899	44,
_				D55641, I4	D55641, I41145, X63410, AL122110, AL049339,	, AL1221	10, AL0493	39,
				AF130470,	AF130470, AL133640, AF013249, AL137271,	013249,	AL137271,	
				AF141289,	AF141289, AF017790, AL133075, A07647, AF026008,	133075,	A07647, AF	026008,
				X06146, AF	X06146, AF004162, AL049382, AL080074, A70386,	9382, AL	080074, A7	0386,
				X61970, AF	X61970, AF000167, AR055519, AL137627, AF091084,	5519, AL	137627, AF	091084,
				A92311, AL	A92311, AL133069, AF017437, AL137283, A86558,	7437, AL	137283, AB	6558,
				AL137557,	AL137557, X79812, A77033, A77035, X62580,	33, A770	35, X62580	
				AL049430,	AL049430, X95876, AL137461, E02349, AF120268,	7461, EO	2349, AF12	0268,
				117767, AI	I17767, AL137554, AL122100, AF043493, U87620,	2100, AF	043493, UB	7620,
				AF061795,	AF061795, AF090903, Y14314, AF151685, X99717,	4314, AF	151685, X9	9717,
				AF146568, AF090896	AF090896			
2068	HTPGE66	280868	Preferably excluded from the	AA345449,	AA345449, AI913916, AW385836, AF072128	385836,	AF072128	
			present invention are one or more					
_			polynucleotides comprising a					
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 251 of					
			SEQ ID NO:2068, b is an integer of					
			15 to 265, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:2068, and where b is greater					
			than or equal to a + 14.					
5069	HWLIL19	898136	Preferably excluded from the	AA044731,	AA044768, AW237077, AI818416,	237077,	AI818416,	
			present invention are one or more	AI989722,	AI989722, AI826965, AW058201, AI445972,	058201,	AI445972,	
			polynucleotides comprising a	AA053091,	AA053091, AI587426, AW190814,	190814,	AI923823,	
			nucleotide sequence described by	AA112375,	AA112375, AI587431, AI446688, AA053602,	446688,	AA053602,	
			the general formula of a-b, where a	AI493214,	AI493214, AI991706, AA135893,	135893,	AI798538,	
			is any integer between 1 to 760 of	AI984082,	AI984082, AI803879, AI990405,	990405,	AI932810,	
			SEQ ID NO:2069, b is an integer of	AI582971,	AIS82971, AI917076, AA346311, AI521001,	346311,		T93732,
			15 to 774, where both a and b	AI611349,	AI611349, AA135894, AI950541, AA172400,	950541,	AA172400,	

			correspond to the positions of	AI434008. AI913316. AI932552. AI431343.
			nucleotide residues shown in SEQ ID	AC007688, AF095448
			NO:2069, and where b is greater than or equal to a + 14.	
2070	HPJEE80	898157	Preferably excluded from the	AA314262, AI698145, AI751509, AI765378,
			present invention are one or more	AI819921, AI309793; AI983094, AI889488,
			polynucleotides comprising a	AI691017, AI478725, AI418367, AI768787,
			nucleotide sequence described by	AI336867, AA770272, AI579948, AI347373,
			the general formula of a-b, where a	AA773349, AA287318, AA187540, AA854659,
			is any integer between 1 to 2606 of	AI637840, AIS66584, AA305439, AA451739,
			SEQ ID NO:2070, b is an integer of	AA287399, AA255886, AA689402, AI961717,
			15 to 2620, where both a and b	AI624071, AW444697, H24906, R59469, AI636153,
			correspond to the positions of	AL037168, AW151230, AA256684, AA694475,
			nucleotide residues shown in SEQ ID	AI861989, H02063, H26485, H13596, AA256683,
			NO:2070, and where b is greater	AA348853, AA336954, H02078, H44525, AA354340,
			than or equal to a + 14.	Z43173, AA337732, AI565023, H44530, AW297887,
			,	R75751, H26324, AA336921, R41517, AA775352,
				AI638129, R18527, AA337380, AI870106, F11589,
				AI954448, AA336373, AA336703, C02323, AW391166,
				AI858347, AW379208, AA634601, AA449368,
				AI611218, AA262646, AI860650, AA282616,
				AL119399, AL119457, AL134524, AL119324,
				AL042544, AL119443, AW392670, AW372827,
				AL119391, AL119464, U46346, AL134902, AW384394,
				AL042614, AL119319, AW363220, AL119484,
				AL119497, AL119335, U46341, U46350, AL119341,
				Z99396, AL119363, AL119522, U46349, AL119355,
				U46347, U46351, AL119439, AL119444, AL119396,
				AL119483, AL119418, AL119496, U46345, AL134518,
				AL134528, AL037205, AL134525, AI142132,
				AI142137, AL134538, AL042970, AL042450,
				AL042965, AL042975, AL134529, AL042542,
				AL043019, AL042984, AL043029, AL042551,
				AL043003, AL119488, Z84466, U82319, Z98172,
				AC005225, AR060045, AL035687, Z65447, AB026436,
				AR060234, AR066494, A81671, AR054110, AR069079,

				AR043113			
2021	10000	00.00	1.1	2000		.0000	000000
70/1	HWLQX6/	27272	Preferably excluded from the	AL120532,	AL58/30/,	ALIZUSSZ, ALSBYSUY, ALUBSUBI, ALYBBEBB,	AI /69686,
			present invention are one or more	AI050667,	AI372945,	AA250932,	AI050667, AI372945, AA250932, W15253, N49198,
			polynucleotides comprising a	W39173, AJ	4894448, AZ	1975408, Z2	W39173, AA894448, AA975408, Z21307, AA846588,
			nucleotide sequence described by	AC002554, Z73358	Z73358		
			the general formula of a-b, where a				
			is any integer between 1 to 1462 of				
			SEQ ID NO:2071, b is an integer of				
			15 to 1476, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:2071, and where b is greater				
			than or equal to a + 14.				
2072	HCRNK75	898355	Preferably excluded from the	AI799804,	AI799804, AA863125,	AI823427, AI377127	AI377127,
			present invention are one or more	AW168810,	AW168810, AA293513,	AW088676,	C17686, AI289654,
			polynucleotides comprising a	A1207850,	AI207850, AI890720,	AI805626, AI824271	AI824271,
			nucleotide sequence described by	AI344359,	AI300131,	AI344359, AI300131, AA574103, AI686750,	A1686750,
			the general formula of a-b, where a	AA315866,	AI709243,	AA315866, AI709243, AA252863, AA585439,	AA585439,
			is any integer between 1 to 2210 of	AI758734,	AW375857,	AI758734, AW375857, AA348962, AI525556	AI525556,
			SEQ ID NO:2072, b is an integer of	AA585453,	Z28355, A	4585440, AI	AA585453, Z28355, AA585440, AI525316, AI535639,
			15 to 2224, where both a and b	AIS41510,	AI546855,	AIS41510, AIS46855, AA336552, AIS41374	AI541374,
			correspond to the positions of	AI556967,	AI525328,	AI541514,	AI556967, AI525328, AI541514, C15189, AI541523,
			nucleotide residues shown in SEQ ID	Z30131, A.	I526180, A	I546999, Al	Z30131, AI526180, AI546999, AI541534, AI525306,
	_		NO:2072, and where b is greater	AA585101,	AW265668,	AA585101, AW265668, AA585434, AI526140,	AI526140,
			than or equal to a + 14.	AIS41509,	AIS41365,	AI541509, AI541365, AI382291, AI546828,	AI546828,
				AI541017,	AI525431,	AI541017, AI525431, AA585356, AI557731	AI557731,
				AIS57807,	AI526194,	C16300, A	AI557807, AI526194, C16300, AI547039, AI526196,
				AI541317,	AIS46945,	AI541317, AI546945, AI535813, AI557799,	AIS57799,
				AIS40967,	AIS57262,	AIS40967, AIS57262, AIS25653, AIS41508,	AIS41508,
				AI541307,	AI541535,	AI557082,	AI541307, AI541535, AI557082, T11028, AI546899,
				D61254, R	29445, AIS	57787, R28	D61254, R29445, AI557787, R28735, AI546875,
				AI541205,	AL040510,	AI541205, AL040510, AL040625, AL045817,	AL045817,
				AL041142,	AL041238,	AL041142, AL041238, AL041133, AL047183,	AL047183,
				AL040322,	AL041131,	AL040322, AL041131, AL046330, AL041051,	AL041051,
				AL041292,	AL040119,	AL041292, AL040119, AL047036, AL047170,	AL047170,
				AL047057,	AL047219,	AL047057, AL047219, AL041227, AL040463,	AL040463,

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								L040168																T23985,											
AL040155,	AL047012,	AL041098,	AL040464,	AL041296,	AL045725,	AL134123,	AI142134,	1040128, A	AL040332,	AL040745,	AL046442,	AL043775,	AL045920,	AL044074,	AJ239433,	AL040263,	AL040082,	AL041730,	AL041374,	AL039338,	AL043923,	AL041459,	AL044201,	AL037727,	AL040414,	AL044771,	AL044274,	AL079876,	AL043604,	AI535660,	AL042712,	AI557238,	AL046327,	AL049069,	AL040472.
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		AL040238, AL041955, AL041347, AI540920, C16305,
		AR017907, I13349, A91965, I66498, I66495,
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		I66486, A83643, I66485, I66488, I66489, I66490,
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		AF082186, A20702, A20700, AR008429, A43189,
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		A91750, A18053, M28262, AJ244007, A93016,
		I15717, A58524, I15718, A58523, E03627, I49890,
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		A95051, I84554, A18050, A23334, A75888, I70384,
		A64973, A60111, A23633, AR007512, I08396,
		A60212, I05488, I61310, A60209, A60210, A60211,
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		E13740, A11178, E01007, A10361, AR027319,
	•	A91751, AR027318, A68112, A68104, A06419,
		A21892, A23997, A68114, A89633, A89634, A21895,
	•	A05160, A08030, A20502, I62368, A35537, A35536,
		A02136, A04664, A02135, A04663, U94592, I08395,
		I06859, AR043601, A11245, AR028564, AR002333,
		A60985, A60990, A47368, A60987, I19516, I19517,
		A76773, A22413, A29109, A32111, I63560,
		AR009152, AR009151, I63561, I63563, I03331,
	-	E12615, A02710, AR035193, E14304, A07700,
-		A13393, A13392, AR031488, I13521, I52048,
		A27396, AR027100, I44531, I28266, I21869,
		144516, A70040, E16678, A82653, E16636, I08196,
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		AR068510, AR068509, A63954, I91969, I26929,

				I44515, I26928, I26930, I26927, I58322, I58323,
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				A95117, A90655, A38214, I56772, I95540, A95096,
				A95106, A95105, AF149828, I01995, I08051,
				AR031566, I60241, I60242, AR038066, A20699,
				E00696, E00697, E03813, AR027099, Y09813,
				AR051652, AR051651, Z32836, AJ230935, D50010,
				AJ230902, AR035975, AR035974, AR035977,
				AR035976, AR035978, I05558, AJ230972, A58521,
				A91754, AR031374, AR031375, AR020969, A92666,
				A92668, A92667, A92665, E12584, AJ230951,
				A70872, AJ231009, A22738, I08389
2073	HOGDR01	898418	Preferably excluded from the	AI940071, AW383315, AW383305, AW383297,
			present invention are one or more	AW392670, AL134527, AW384394, AW363220, U46351,
			polynucleotides comprising a	AL119443, U46347, AL119522, AW372827, Z99396,
			nucleotide sequence described by	AL119319, AL119324, AL119457, U46350, AL119439,
			the general formula of a-b, where a	U46349, AL119484, AL119391, AL043003, AL119483,
			is any integer between 1 to 806 of	AL119497, AL119401, AL119363, AL119444,
			SEQ ID NO:2073, b is an integer of	AL119355, AL119396, AL134525, AL037205, U46341,
			15 to 820, where both a and b	AL134531, AL134902, AL042984, U46346, AL119418,
			correspond to the positions of	AL119399, AL119335, AL042542, AL134538,
			nucleotide residues shown in SEQ ID	AL043019, AL042544, AL042965, AL042975, U46345,
			NO:2073, and where b is greater	AL042614, AL043029, AL042989, AL042450,
			than or equal to a + 14.	AL042551, AL119464, AC003965, AB026436,
				AR069079, AR066494, AR060234, AB1671, AR054110,
				AR043113
2074	HHATR06	898427	Preferably excluded from the	AI797684, AI478733, AI990902, AA456267,
			present invention are one or more	AI751749, AI970534, AI379565, AW239200,
			polynucleotides comprising a	AW294114, AA427646, AI751750, AA594137,
			nucleotide sequence described by	AA947297, W95460, AI057073, AA405402, AA788855,
			the general formula of a-b, where a	AW068453, AW068711, AW177719, AI341112, H73236,
			is any integer between 1 to 1473 of	AW167569, AA232452, AA427487, AA041328, W95567,
			SEQ ID NO:2074, b is an integer of	AI652166, AA853047, H74164, R34003, AA041304,
			15 to 1487, where both a and b	W02069, AI341381, AW192052, AA580289, AL119457,
			correspond to the positions of	AL042544, D30965, D31176, AL119324, AL119399,
			nucleotide residues shown in SEQ ID	AI918637, AL046052, AL042866, AI690472,

	NO:2074, and where b is greater	A1918408, AL045891, A1689380, A1433206,
	than or equal to a + 14.	AW024793, AI345261,
		AL134902, AI241884, AI371228, AI582912,
		AI273919, AA838230, AW083489, AI865942,
		AW079432, AW058275, AI918634, W79826, AA291456,
		AI125845, AI472476, AW085866, AA480074,
		AI313320, AW022494, AI313352, AI310920,
		AI307503, AI671284, AW020288, AI612732,
		AI933926, AI336585, AI334913, AI349266,
		AI349787, AI334452, AI344938, AI701897,
		AI312146, AI312339, AI309431, AI340537,
		AI312165, AI345258, AI349288, AI349628,
		AW196105, AA835966, AI340610, AI307459,
		AI343140, AI349971, AW168693, AI307507,
		AI348879, N22406, AI340639, AI311604, AR035969,
		AF117959, AF108357, L24896, U77351, Y00093,
		AF085809, AR068466, E12579, AR060234, AF074604,
		X62773, M30514, AF093119, A07647, AJ006417,
		A94751, AF188712, AL050092, AL133568, AL137461,
		AJ012582, M79462, AL133629, AL117644, X60786,
		146765, AL137658, AL110280, AR011880, AR034830,
		I96214, AL049464, AL133098, AF102166, I00734,
		AF022813, E00617, E00717, E00778, U89295,
		E02253, AL137665, A90832, I29004, X66417,
_		U79414, AF161699, Z22828, U92992, AF155119,
		AL096720, Y11435, AF113694, X54971, Y10080,
		AF040723, AF051325, AL133081, AL133014, A52563,
		X87224, AL133054, L40363, AL137276, E02914,
		AL110171, Y10655, AF118064, AL049314, AL137558,
		L31396, U68387, AL137656, AF010191, L31397,
		AF151109, AF140224, AL110159, X76228, S63521,
		U92068, AF148129, AF081366, Z72491, S69385,

				AF120268, X92070, AF026124, U57352, X14634,	57352, Y14634,
				AL133636, S61953, L78810, AF213396, U67328,	13396, U67328,
				AF114818, AF113676, AL137534, AF016271,	AF016271,
				AJ004832, S75997, AL133558, E15582, AL117585,	15582, AL117585,
				S73498, AF118558, E04257, AR005011, U80919,	05011, U80919,
				AP000130, AP000208, AP000247, AL035458,	AL035458,
				AC005488, AF144700, AL050280, AF159148, E15324,	AF159148, E15324,
				AL080158	
2075	нгорм07	898541	Preferably excluded from the	AI806250, AA455382, AI084580, AW368035,	AW368035,
			present invention are one or more	AA005065, AI088155, AI566044, W92235, AA706063,	W92235, AA706063,
			polynucleotides comprising a	W92236, AA299662, AA004847, H56718, T77776,	156718, T77776,
			nucleotide sequence described by	AA002009, AA227236, AI922495, AA722941,	AA722941,
			the general formula of a-b, where a	AA456022, AA299663, AA001788, H56641, AL119457,	H56641, AL119457,
			is any integer between 1 to 2372 of	AW392670, Z99396, AL119319, AL119355, AL119324,	L119355, AL119324,
			SEQ ID NO:2075, b is an integer of	AL119497, U46350, U46351, AL119363, U46349,	19363, U46349,
			15 to 2386, where both a and b	AL119391, AW372827, AL119483, AW384394,	AW384394,
			correspond to the positions of	AL119341, AW363220, U46347, AL119484, AL119443,	L119484, AL119443,
			nucleotide residues shown in SEQ ID	U46341, AL119444, U46346, AL119439, AL119522,	.19439, AL119522,
			NO:2075, and where b is greater	AI142134, AL119396, AL119335, AL043033,	AL043033,
		_	than or equal to a + 14.	AL037205, AL119401, AL134538, AL134542,	AL134542,
				AL134528, AL134902, AL134531, AL134533,	AL134533,
				AL119418, AL119399, AL042984, AL119496,	AL119496,
				AI142132, AL134525, AL134536, U46345, AL119464,	U46345, AL119464,
				AL042450, AL042614, AL043029, AL042544	AL042544,
				AL043011, AL043019, AL042542, AL042965,	AL042965,
				AL042975, AL043003, AL042551, AL132826,	AL132826,
				AF169677, U42975, AB026436, AR066494, AR060234,	JR066494, AR060234,
				AR054110, A81671, AR069079	
2076	HDPBW68	898651	Preferably excluded from the	AI797914, AA232727, AI264354, AA242826,	AA242826,
			present invention are one or more	AI373844, AI421152, AI693559, AA293798,	AA293798,
			polynucleotides comprising a	AA242961, AI681069, AA987481, AA253496,	AA253496,
			nucleotide sequence described by	AA865918, AA394280, AA699441, AW193319,	AW193319,
			the general formula of a-b, where a	AA534330, AI246675, AI690035, AI921391,	AI921391,
_			is any integer between 1 to 3879 of	AI696791, AI696792, AI962498, AA478182,	AA478182,
			SEQ ID NO:2076, b is an integer of	AA845215, R02588, AAS01984, AA253392, AA975909,	AZ53392, AA975909,

5, 53, 614,	169	ri ri
AI141321, AI353321, R022707, AI370136, AI424757, AR264520, AA065210, AI36930, AA0664645, AL212878, AI470976, AI640699, AL119324, AL119457, AL119399, AL042544, AL119343, AW392670, U46346, AL119355, Z99396, AL134525, U46351, AL119319, U46349, AW372827, AL119484, AL119344, AM372827, AL119484, AL119344, AL119341, AL119484, AL119346, AL119352, AL037205, AL119444, AL119315, AL119522, AL037205, AL119464, AL19335, AL119522, AL037205, AL119464, AL042450, AL043033, AL042284, AL119464, AL13356, AL144538, AL134542, AL043029, AL043011, AL043019, AL134542, AL04251, AL113325, AL042975, AL043003, AL04251, AL113325, AL042974, AR064251, AL113325, AL042944, AR042440, AL144542, AL043019, AL134542, AL04251, AL113325, AL042944, AR042965, AL042975, AL043003, AL04251, AL119464, AL042965, AL042975, AL042964, AR0660244, AR06444, AR06444, AR06444, AR06444, AL042964, AL0429644, AL04296444, AL04296444, AL04296444, AL04296444, AL04296444, AL04296444, AL042	L44393, AA434356, AIS24406, AW062354, T31737, H14980, Z43676, N40577, R08471, N25869, AA256007, N41934, N28530, AA808513, T92387, R02302, AW383005, AB011165, AF117754, AR022169	AW376967, AW268365, AI433801, AW087894, AW192424, AA573318, AW376970, AA166803, AI744244, AA179345, AW264850, AW239439, AI860613, AA128911, AI800522, AA179578, AI270669, C18854, AA186804, AA50558, W63641.
15 to 3893, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:2076, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 3219 of SEQ ID NO:2077, b is an integer of 15 to 3233, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:2077, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynucleotides comprising a nucleotide sequence described by the general formula of a-b, where a
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	2077	2078

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			SEQ ID NO:2078, b is an integer of	AL048651, AW149146, AA305384, AW273640, R50765,
-			correspond to the positions of	AT985957 AAS38//3, AI839810, KU/033, AAI34840,
			nucleotide residues shown in SEO ID	AF123887 AF144695 AF018794 AF018857
			NO:2078, and where b is greater	
			than or equal to a + 14.	
2079	HPJAS61	899130	Preferably excluded from the	AA630313, AW007113, AA056282, AI302077,
_			present invention are one or more	AI685736, AI416978, AW275894, AW236942, N24240,
			polynucleotides comprising a	N63404, AW167603, AI031828, AI624036, AA622513,
		_	nucleotide sequence described by	AA857986, AI274802, N63417, AI394098, AA543071,
			the general formula of a-b, where a	AI075944, AI347803, AL134813, AA010795,
			is any integer between 1 to 2444 of	AI991823, AA608692, AW188444, AI765847,
-			SEQ ID NO:2079, b is an integer of	AI580486, AA488368, N38923, N30935, AI093100,
			15 to 2458, where both a and b	AI453400, AI434592, AI300853, AA457119,
			correspond to the positions of	AA455498, AI880713, AW050861, AI274340,
			nucleotide residues shown in SEQ ID	AI309910, AW207240, AA633538, AI188595, H98907,
			NO:2079, and where b is greater	AI308095, AI863003, AA705931, AA165111,
_			than or equal to a + 14.	AI261549,
				AI635033, AA011134, AA583904, N95694, AA973598,
				AI623738, AA035768, AA977967, W70190, AI027298,
				AW370853, AW167630, AW083766, AW166334,
				AA599424, AI864628, AI831364, AI610395,
				AI245485, AA649888, AI672081, N72372, AA293614,
-				N95723, H77346, AI270457, R53634, AA829048,
				AA062785, AA479044, AA826668, T65751, H58487,
				H81750, AI092643, AA190410, AW300733, AW264761,
_				AW020656, AI750198, W78204, N68016, AW242190,
_				N41700, W70063, H81751, A1750199, AA781623,
_				AA298516, AI247290, AI925804, W57582, AW026566,
				AI932535, AA724052, AA488500, AW150513,
				AI309181, AA627576, AA430543, AA430544, R87874,
				AA369400, H77345, AA468680, AA853269, N52644,
				AA130245, AA157200, AI160148, AA834736,
				AA705668, AI124918, AA156892, AA948320,
				AI609381, R45075, AI701123, AW178256, AA376537,
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	AI538850, AW051088, AI284517, AI621341,
	AI371251, AW162194, AI114703, AI680467,
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	X79812, AL122123, AF126247, AJ238278, AF112208,

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	AF115410, AL080124, U37312, A08456, AL133084,
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	U68233, I92592, AL117457, AF058921, AF162270,
	S76508, AF019298, AF057300, AF057299, AL137479,
	I68732, A08911, A18788, I89931, X97332, L04849,
	AF119337, AL049324, Y10823, AF067728, AL050024,
_	X83544, AF031147, S77771, X84990, AF106697,
	I89944, I89934, I08319, I49625, AL049283,
	AL133080, AF087943, AF107847, AF069506,
	AF176651, AF068615, AF159615, AL133624,
	AF036268, AL137284, U95114, A52563, AL133113,
	AL110280, A58524, A58523, AL136884, AF090934,
	E12579, AL049382, U53505, L30117, AF047716,
	AL133075, U62966, AL117440, AF185576, AF047443,
	L04504, AL137463, AF182215, S61953, AL137657

0000	UCDANIOS	20000	Drafershly evoluded from the	7804044	AD704087 AW171819 AW180680 AT757796	AWAROKRO	AT752796	Γ
	TOTAL		_	CCC30577	749575W	AT006013	AM3 85 3 83	
			present invention are one or more	A4303372	ARGODS/L, AMS/SOO/, ALGODIS, ARGODSOS,	ALSOOULS,	AMSOUSOS,	
			polynucieotides comprising a	AA428419,	AA428419, AA780507, AA668306, AL036004,	AA668306,	ALU36004,	
			nucleotide sequence described by	AA600085,		AI751512,	AA780554,	
_			the general formula of a-b, where a	AW239513,	W49750, AJ	1773949, N	W49750, AA773949, N36271, W63574,	
_			is any integer between 1 to 2636 of	AA780819,	AA780819, AA457563, AI753606, AA464937,	AI753606,	AA464937,	
			SEQ ID NO:2080, b is an integer of	AA454895,	AA454895, AW385419, AI905876, AI752292,	AI905876,	AI752292,	
			15 to 2650, where both a and b	AA181456,	AA181456, AW068389, AI751743, AA457359	AI751743,	AA457359,	
			correspond to the positions of	AI751229,	AI752349,	AI752349, AI365966, AA293647,	AA293647,	
			nucleotide residues shown in SEQ ID	AASS4805,		AI752176, AI751283, AA489941,	AA489941,	
			NO:2080, and where b is greater	AA457511,	AI751586,	AI751586, AA788961,	AW352231,	
			than or equal to a + 14.	AI752829,		AA487731, AA789233, AI750701,	AI750701,	
				AI752337,		AA487393, AW373901, AA457430,	AA457430,	
				AA704140,		AA457469, AI905974, AA169848	AA169848,	
				AA703999,		1752205, AJ	D79055, AI752205, AA434290, AA489933,	_
				AI752293,		AI750735, AA434353, AA489957	AA489957,	
				AA780675,		U53087, A	AW352222, U53087, AI205280, AA248177,	_
				AI752797,		AI752212, AI751798, AW373788	AW373788,	-
				AI752270,	AI752270, AW373787,	AI925580,	AI925580, AI752737,	_
		_		AW373833,	AA121851,	AA456983,	AW373833, AA121851, AA456983, AI752171, N34179,	_
				AA458778,	AA454883,	AA454883, AI751523, AA679516	AA679516,	
		_		AA176804,	AA176804, AI751887, AW393626, AI751886,	AW393626,	AI751886,	
				AI751494,	AW384994,	AI751927,	AI751494, AW384994, AI751927, W24625, W00702,	
				N56826, H	92997, AI7	50235, AA3	N56826, H92997, AI750235, AA359326, AA663346,	
				AI751476,	W52302, R	71009, AWS	AI751476, W52302, R71009, AW373902, AA486177,	
				AW067996,	AW067996, AA961963, AA594126, AA476858,	AA594126,	AA476858,	_
_				AW385424,	AW385424, AW067845, AW068346, AI751810,	AW068346,	AI751810,	
				AA774078,	AA774078, AA399202, AI751928, AI750740	AI751928,	AI750740,	
				AI676195,	AI676195, AW373802,		R73275, AW068267, AW373874,	_
				AW370489,	AW370489, AW373808,	AI751228,	AI751228, AI750278,	
				AW373834,	AA136731,	AL039650,	AL039650, AI906084,	
				AI752350,	AI752350, AA359001,	AA453822,	AA453822, AA780557,	
				AA453844,	AA453844, AA318038, AA373942, AA668143	AA373942,	AA668143,	
		_		AW373845,	AW373845, AI751652, AI745640, AW366380	AI745640,	AW366380,	
		,		AW370462,	W24650, A	A477811, A	AW370462, W24650, AA477811, AI963017, AA293756,	
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	4	AI910190, AA359296, AI902828, T53721, AI905031,
	4	AW362721, AA373886, H82181, AA434473, AA334411,
	4	AI922681, AI963366, AI752830, AA457291,
	4	AA668375, AA443350, R84909, AW067859, T29584,
	4	AW385969, AA339992, AA379018, AA326804,
	4	AW373804, AI677812, AA456909, AA489802,
	2	AI675919, AA373933, AI696990, R64077, AA669870,
	d -	AI571571, AA378055, AA375369, AI752739,
	7	AA669843, AA376383, AA359377, N39634, AW384992,
		H94226, AA599521, AW363460, AA852286, AI752736,
	4	AA853052, W00543, AI750767, AI963411, T48176,
		AA373229, AA218722, AA853386, AA332082,
		AA359277, AW384999, AA372196, AA333869,
_	2	AI796681, AL035880, AW082115, R69349, AA359183,
	*	AA359695, AA852609, AA366521, AA434079, T49549,
	-	AA853491, AA669422, AA377936, T53285, AA377860,
	7	AA595560, AA346953, AW068393, AA852626,
	1	AA359195, AA256215, H39823, AI801622, AA852524,
		T54840, AA070541, T49912, AI751621, AA359783,
	1	AA853295, AA339830, AA375308, AA507247,
	<u>t</u>	AA852945, AA853931, A91174, Z74615, K01228,
		AF153062, Z78279, U08020, J00836, V00401,
	<u>t</u>	AR048312, AB015438, AB008373, U03419, M14423,
		Y15915, AB015440, S64596, U62528, AF017178,
_	~	X98705, S67482, M17491, X06269, AF169346,
	1	AF077329, Y15918, D83228, Y15919, M10571,
		X98707, X98708, Y15913, Y16346, J00112, Y16341,
		Y15914, Y15912, Y08643, Y15916, J00111, A65495,
		M12199, A65496, M23213, Y16342, Y16344, M11162,
		T49700, T50912, T53375, T99669, R01522, R31653,
		R32921, R35743, R65723, R72798, R77142, R79511,
		R91193, H50793, H52341, N45401, N50267, N94504,
		W05288, W05816, W25354, AA167235, AA167584,
	~	AA173693, H88449, AA987726, AA094624, AA852897,
	7	AA853611, AA853652, AA853657, AA853692,
		AA853790, AA852117, AA852484, AA852780,

				AA852811,	AA852811, T49210, T49936, D45437	19936, D454	137
2081	HINTRVII	899632	Preferably excluded from the	AI192806,	AI192806, AI636301, AW070460, AI264134,	AW070460,	AI264134,
			present invention are one or more	AI808610,	AI808610, AL047490, AW337234, AW272771,	AW337234,	AW272711,
			polynucleotides comprising a	AA621722,	AA621722, AA902441, AW338001, AI572907,	AW338001,	AI572907,
			nucleotide sequence described by	AW088299,	AW088299, AA630592,	AW241806, AW338392,	AW338392,
			the general formula of a-b, where a	AW119186,	AW361987,	AIS98101, AW079856,	AW079856,
			is any integer between 1 to 2288 of	AI932992,	AA314261,		AI380908, AIS71554,
			SEQ ID NO:2081, b is an integer of	AA431144,	AW362042,	AI741945,	AW029103,
			15 to 2302, where both a and b	AI669353,	AA906312,		AA905193, AA424741,
			correspond to the positions of	AI246132,	AA188213,	AI092692, AI129947,	AI129947,
			nucleotide residues shown in SEQ ID	AA969200,	AA495870,	AA774660, AA835498,	AA835498,
_			NO:2081, and where b is greater	AA825370,		AA432163, AI520696, AI624063,	AI624063,
			than or equal to a + 14.	AI026883,		AA888774, AA186360, AW390429,	AW390429,
				AI692914,		AA262302, AA156547, AI289833	AI289833,
				AI678753,	N76487, A	A676856, AJ	N76487, AA676856, AA190635, N36869,
				AA512918,	AA512918, AI392858, AI571545, AA262303	AIS71545,	AA262303,
				AA216711,	AI266014,	R69932, AJ	AA216711, AI266014, R69932, AA625353, AA313402,
		_		AI589292,	AI129465,	AI765154,	AI589292, AI129465, AI765154, R62335, AI457879,
				H48412, N	94959, AI2	18172, AI2:	H48412, N94959, AI218172, AI221051, AA577253,
				AA086067,	AI439435,	AA112358,	AA086067, AI439435, AA112358, AI241626, R80350,
				W03228, A	A086066, R	78186, N67	W03228, AA086066, R78186, N67050, W19215,
				AA192424,	AI537627,	AA694468,	AA192424, AI537627, AA694468, AA112357, R79484,
				AA192529,	R77146, A	A188562, A	AA192529, R77146, AA188562, AI250628, H73378,
				AW362686,	T60051, H	45701, AIZ	AW362686, T60051, H45701, AI281554, N95029,
				R62336, A	W192059, H	56566, AI4	R62336, AW192059, H56566, AI445365, R09672,
				AA191164,	W19537, T	78819, H45	AA191164, W19537, T78819, H45752, H38567,
				N50462, N	147345, AA9	73983, R62:	N50462, N47345, AA973983, R62945, AIS83154,
_				AI34227,	T60098, R	45931, H98;	AI342227, T60098, R45931, H98238, R23380,
			-	AA621137,	R70102, H	12066, R35	AA621137, R70102, H12066, R35435, AIS83186,
				H03315, A	A369106, W	25341, R80	H03315, AA369106, W25341, R80240, AI263665,
				N31081, A	1803872, A	A757310, A	N31081, AI803872, AA757310, AI591357, T29421,
				R76607, F	167545, AA6	22166, H16	R76607, R67545, AA622166, H16044, T82361,
				R71554, R	171501, R09	561, AI351	R71554, R71501, R09561, AI351896, N46139,
				N89847, A	NI802973, A	A188660, F	N89847, AI802973, AA188660, F07783, H71048,
				H54185, E	H54185, H03316, F08108, R62997, T94841,	108, R6299	7, T94841,
				AW338108,	T94886, A	L045149, H	AW338108, T94886, AL045149, H97241, AA630804,

								_								_			_	-		_		_
AA344563, F02937, AW316643, AI635890, H56567, H71561, R70103, AI985724, N27010, AA218591, N72946, R76608, AW366579, N49618, T73663, AI587589, W31516, I41330, I05091, I09215, M15799, U88576, S67775, M30142, I09216, I05094, A64356, S51407, AB003312, AB003313, AB003314, AB003316, AB016513, Z63791, I64711, AR016518,	PJ.039109	AL045337,	AL038025,	AL039625.	AL039629,	AL039538,	AL039566,	AI142134,	AL079878,	AL037435,	AL.040576,	AL038532,	AL037601,	AL038822,	AL043814,	AL043845,	AL041459,	AL044037,	AL046850,	AL040625,	AL041374,	AL044074,	AL040510,	AL036158.
7316643, AJ 35724, N270 56579, N496 11330, 1050 775, M30142 7056586, AB 73312, AB00 AR016514,	AT.040992 AT.042909	AL039423, AL039128,	AL044407,	AL039074	AL039678,	AL039410,	AL039564,		AL037727,	AL037295,	AL049018,	AL036167,						AL041635,	AL040768,	AL045684,	AL043848,	AL041730,	AL043492, AL040839,	AL045671, AL046442.
AA344563, F02937, AW316643, AI635890, H H71561, R70103, AI985724, N27010, AA218 N72946, R76608, AM366579, N49618, T7366, AI587589, W31516, I41330, I05091, I0921 M15799, U88576, S67775, M30142, I09216, A65264, AR031710, AR066586, AR066589, A M64356, S51407, AB003312, AB003313, AB0 AB003316, AR016513, Z63791, I64711, AR0	41.040992		AL038531,		AL039648,	AL037639,	AL036196,	AL036767,	AL039509,	AL037436,	AL037335,	AL037343,				AL037742,	AL043868,	AL040294,	AL046994,	AL041752,	AL043570,	AL041523,		
AA344563, H71561, R7 N72946, R7 AI587589, M15799, U6 A65264, AF M64356, SE AB003316,	\$72858	AL045353,	AL039386,	AL038837.	AL039108,	AL037615,	AL036238,	AL036765,	AL038983,	AL039156,	AL037027,	AL037443,	AL037323,	AL037049,	AL041159,	AL043923,	AL040617,	AL044064,	AL042135,	AL045753,	AL041133,	AL043627,	AL041602,	AL043441.
	Dreferably excluded from the	present invention are one or more	polynucleotides comprising a	the general formula of a-b. where a	is any integer between 1 to 1944 of	SEQ ID NO:2082, b is an integer of	15 to 1958, where both a and b	correspond to the positions of	nucleotide residues shown in SEQ ID	NO:2082, and where b is greater	than or equal to a + 14.													
	899644	***					_																	
	HWIOIR	CCOOT M II					_															_		
	2082	7007						_				_												

		T SPECIAL TE	201014	AT 0.463.00	21012012
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		AL044274, 2	AL040745,	AL040463,	AL047183,
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			AL041210,	AL041210, AL036924, AL036268	AL036268,
		AL039416, 1	100069, AI	.041347, AJ	H00069, ALO41347, AL036733, AL036900,

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	4	AR062871, A84772, A43189, A43188, A84776,
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	R .	AR067732, AS8522, A20700, A91750, AR062872,
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		I66497, I66496, I66486, X73004, V00745, I19516,
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		I25027, D28584, I26929, I44515, I26928, I26930,

1			126927, AS8525, I49890, AF156296, AR000006,
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			E00523, AR038286, I25041, I92483, I00077,
-			AF156303, AR008430, I19525, E03627, AR063812,
			AR066494, A68112, A68104, A60212, A60209,
			A60210, A60211, I15717, I15718, AF156299,
			A77094, A77095, I08396, I07429, I00682, A11624, A11623
899661 Pref	Pref	Preferably excluded from the	AI081543, AW024140, AA742572, AW327486,
pres	pres	present invention are one or more	AA593332, AI239527, AI362956, AA977531,
poly	poly	polynucleotides comprising a	AA865071, W76539, AA988767, AI240922, W56688,
nuc]	nuc	nucleotide sequence described by	AW406326, F25349, W56696, AIS90417, AA773777,
the	the	the general formula of a-b, where a	N80724, AW273295, N72158, AA356111, AA588352,
18	18	is any integer between 1 to 1233 of	AA576887, W52200, AA594466, AI002202, AW410884,
SEO	SEO	SEQ ID NO:2083, b is an integer of	F36934, T23069, AA335562, AI910397, R52145,
15 t	15 t	15 to 1247, where both a and b	AI962231, AA304020, AA593340, F35721, T08422,
COL	COL	correspond to the positions of	AA779395, D80166, C14331, C14429, D80038,
unc	nuc	nucleotide residues shown in SEQ ID	D80227, D80195, D51799, D80269, D58283, D59859,
NO:	õ	NO:2083, and where b is greater	D51423, D59619, D80210, D80391, D80240, D80253,
tha	tha	than or equal to a + 14.	D80043, D59275, D80212, D80193, D80196, D80188,
-			D80219, D59502, D81030, D59889,
-			D80366, D59610, D80378, D80045,
			D80164, D50995, D80241, D59787, D80024, T03269,
			C75259, C14014, D59467, C15076, C14389, D51060,
			D81026, AW178893, D80134, AI557751, AA305409,
			C14407, D51250, F13647, D80268, D80949, D58253,
			D80168, C14227, W21835, D81111, D51079,
			AA305578, AI989565, AW177440, D51022, AW179328,
•			AA514188, AW178775, AW378532, D80522, D59695,
			AW352158, AI910186, AW377671, AI905856,
			AW369651, D80248, D52291, Z21582, D80251,

	AW178762	AW178762, D51097, AA285331, AW177501, AW177511,
_	C14298,	C14298, D80064, AA514186, D80133, AW360811,
	AW352117	AW352117, C05695, AW176467, AW375405, AW378540,
_	AW360834	AW360834, AW366296, AA809122, AW360844,
	AW360817	AW360817, AW375406, AW378534, D80132, AW179332,
	AW377672,	:, AW179023, AW178905, D80302, D80439,
	AW179220	AW179220, AW352171, AW352170, AW377676,
	AW178906,	3, AW177731, AW178907, AW179019,
	AW179024	AW179024, D59373, D80247, AW177505, D80014,
	AW360841,	., AW179020, AW178909, AW177456,
	AW179329	AW179329, AW178980, AW177733, AW378528,
	AW178908	AW178908, AW178754, AW179018, D51103, T11417,
	AW352174	AW352174, AW179004, AW179012, AW178914,
	AW378525	AW378525, T03116, T02974, D51759, D80157,
	AW177722	AW177722, AW177728, AW367967, AW179009,
	AW178774	AW178774, AW178911, AW378543, AW352163, C06015,
	C14344,	C14344, AI535686, AW178983, AW352120, D80258,
	AW178781	AW178781, D58246, D59503, AI525923, T48593,
	D51213,	D51213, AI557774, AW378539, D59627, D58101,
	AW17723	AW177723, D59653, D45260, AW177508, AI535850,
	AW367950	AW367950, N66429, C14975, AW378533, H67854,
	C03092,	C03092, D59317, H67866, A1535961, AL050297,
_	A84916,	AB4916, A62298, A62300, AJ132110, Y17188,
	AR018138	AR018138, X67155, A67220, D89785, A78862,
	A25909,	A25909, D26022, X82626, D34614, D88547, X68127,
	AR025207	AR025207, AF058696, A82595, AR008278, AB028859,
	I82448,	I82448, AR016808, AB012117, A30438, Y12724,
_	AF135125	AF135125, A85396, AR066482, A44171, A85477,
	119525,	I19525, A86792, X93549, U87250, AR060385,
	Y17187,	Y17187, A94995, U79457, AB002449, AR008443,
	AR008277	AR008277, AR008281, IS0126, IS0132, IS0128,
	150133,	I50133, A45456, AR066488, AR016514, AR060138,
	A26615,	A26615, AR052274, X64588, Y09669, A43192,
	A43190,	A43190, AR038669, AR066487, AR066490, I14842,
	AR054175	AR054175, U46128, D88507, AR064240, AR016691,
	AR016690	AR016690, I18367, D50010, AB033111, A63261,

				AR008408, AR062872, A70867, I79511, D13509,
				A64136, A68321, AR060133, U87247, AB023656,
				232749, AF123263, AR032065, AR060382, X93535
2084	HBSAK60	899776	Preferably excluded from the	T18597, R28735, R29445, R45895, AA585325,
			present invention are one or more	AA585098, R29657, AIS46875, R28892, R29218,
			polynucleotides comprising a	R28965, AA585476, AA585101, AA283326, R28967,
			nucleotide sequence described by	AA170832, D57491, D60844, R28895, D53472,
			the general formula of a-b, where a	AI557763, AI546971, AA585439, Z32822, Z28355,
			is any integer between 1 to 2115 of	AI557262, D59436, AI557864, AI541356, C16300,
			SEQ ID NO:2084, b is an integer of	AI557734, D61185, D61254, AI526140, C16315,
			15 to 2129, where both a and b	AIS41365, AIS41013, AIS25500, AIS57740, C16305,
			correspond to the positions of	C16293, D60765, AI541383, AI546999, AI546921,
			nucleotide residues shown in SEQ ID	AIS47250, D59751, C15406, D54897, D53161,
			NO:2084, and where b is greater	AI546945, AI541374, AI525306, AI525856, D53447,
_			than or equal to a + 14.	AIS41205, AA585155, C16292, AI526078, AI541517,
				AI546996, D55233, AI557731, AI525431, C15069,
				AI541535, AI547039, AI526184, AI525556, Z32887.
_				AI525316, C16294, C15120, Z30131, D52835,
				AIS41307, AIS40967, AIS47006, AIS57787,
			•	AI557727, R29177, AI526194, C15737, R29179,
				C15762, AIS41346, AIS57807, AIS46891, AIS41523,
				AI526016, AI557084, D57186, AI525339, C16296,
				AIS41527, R29262, AA585356, AI525320, AIS47196,
				AI557758, AI547202, AI526191, AI541034,
				AI557408, R29172, AIS57155, D60730, AI557602,
				AIS40974, T19407, AIS57718, AIS57809, AIS36138,
				C16290, AI526073, AA585453, AI526113, C14208,
				AI556967, AI557808, AI541321, AI557279,
				AI535660, T41289, AI526180, AI546829, AI535639,
				AI526109, AA174170, AI557039, AI540903,
				AIS26195, AIS47137, AIS41422, T41329, Z33559,
				AI524904, AA514191, AI526024, AI526158,
_				AI525656, AI526112, AI557533, AI525286,
				AIS40920, AIS41510, AIS41345, D51433, AIS46828,
_				AI541506, AI546831, AI525332, D54850, AI541514,
				AIS41027, AIS57264, D59458, AIS41415, C14723,

				A1557238.	AT557852.	C14322. C1	AIS57238, AIS57852, C14322, C14391, AIS57799,
				AA585434,	AA585434, AI526205, AI540882, AI541390,	AI540882,	AI541390,
				AIS41017,	AIS41017, AIS24890, AIS47189, AAS85117,	AIS47189,	AA585117,
				AI526117,	AI526117, AI546954, AI541353, AI541508,	AI541353,	AI541508,
				AI546901,	AI526187, AI557082, AA585430,	AIS57082,	AA585430,
				AI557285,		AI541492,	AI524891,
				AI547026,		AI541515,	AI557786,
				AI557317,		AI525114,	AI525168,
				AI540944,		:557810, C	D61060, AI557810, C14210, T10982,
				AI547071,		AIS41410, AIS41423, AIS41075,	AIS41075,
				AI525653,	AA585420, AI557802, AI557785,	AIS57802,	AI557785,
				AI046024,	AI526169,	AIS26169, AIS26144, AR038855,	AR038855,
				AR062871,	A25909, YO	9813, Z328	AR062871, A25909, Y09813, Z32836, AR054723,
				AJ244005,	Y16359, A	082186, D	AJ244005, Y16359, AF082186, D50010, D13509,
				AJ244004,	X81969, A	0702, ARD	AJ244004, X81969, A20702, AR062872, AR062873,
				A20700, D	78345, A43]	189, A4318	A20700, D78345, A43189, A43188, AR017907,
				AR038762,	AJ244003,	A98420, AS	AR038762, AJ244003, A98420, A98423, A98432,
				A98436, A	98417, A984	127, X8278	A98436, A98417, A98427, X82786, X55486, X76012,
				AC005913,	A98767, AS	3363, A93	AC005913, A98767, A93963, A93964, I63120,
				AJ244006,	AJ244006, AJ243486, AR031365, AR003381,	AR031365,	AR003381,
				AR031358,	AR031358, AR017826, X82834	X82834	
2085	HDPOD73	998668	Preferably excluded from the	AA478514,	AA478515,	C00579, A	AA478514, AA478515, C00579, AI708851, AI581139,
			present invention are one or more	AA640563,	R81679, A	A367920, AJ	AA640563, R81679, AA367920, AL046227, AI433131,
			polynucleotides comprising a	AI754257,	AI754257, AW117882, AI242236, AF113694,	AI242236,	AF113694,
			nucleotide sequence described by	AC004813,	AP000347,	AL035587,	AC004813, AP000347, AL035587, Z95114, AC004883,
			the general formula of a-b, where a	AC005291,	AC005291, AF091512, AC004383,	AC004383,	Z82206, AP000344,
			is any integer between 1 to 774 of	AC004987,	AC004987, AC006013, AF090900,	AF090900,	
			SEQ ID NO:2085, b is an integer of	AL110280,	AL110280, AC002472, AC004594,	AC004594,	Z98949, AC004686,
			15 to 788, where both a and b	AL022723,	AC006115,	AC006115, AC005488,	AC007298,
			correspond to the positions of	AL021368,	AL080124, AC004690,	AC004690,	AL049759,
			nucleotide residues shown in SEQ ID	AC00480B,		AL096776, AL021154,	AL137705,
			NO:2085, and where b is greater	AL021453,		AC004159,	AC006112,
			than or equal to a + 14.	AC006039,	AL022336,	AL022147	
2086	нмнно57	899882	Preferably excluded from the	AI798964,	AI798964, AA886924, AW082915, AI015790,	AW082915,	AI015790,
			present invention are one or more	AI888102,	AI888102, AW305088, AW249524, AI677907,	AW249524,	AI677907,
			polynucleotides comprising a	AW249655,	AW249655, AI685359, AI420026, AW250288	AI420026,	AW250288,

			nucleotide sequence described by	AW008642,	AI568918,	AW008642, AIS68918, AW245195, AI095605,
			the general formula of a-b, where a	AA307509,	AA425494,	AA307509, AA425494, AA146920, AI079724,
			is any integer between 1 to 1336 of	AA742403,	AA628536,	AA742403, AA628536, AA425289, AA393886,
_			SEQ ID NO:2086, b is an integer of	AI075449,	AI301574,	AI075449, AI301574, AW020330, AA148122,
			15 to 1350, where both a and b	AA738372,	AA633222,	AA738372, AA633222, AI908262, AA465300,
			correspond to the positions of	AA463585,	AA393791,	AA393791, R15429, AIS54546, R16169,
_	_		nucleotide residues shown in SEQ ID	AA629523,	AI193861,	AI193861, NSO479, AA234353, AI863835,
			NO:2086, and where b is greater	AA770378,	AI927526,	AI927526, AA463677, R24974, AA384622,
			than or equal to a + 14.	AI289080,	AA143495,	AI289080, AA143495, AA516015, AI039133,
				AA305089,	AI094204,	AA305089, AI094204, AA234408, AA653256,
				AW026433,		Z45471, Z41168, AA135180, AI541233,
				AA135354,		AI654673, AA746823, AA428026, R45235,
				AW337352,	AI907894,	AI907894, AA152118, N93532, AI363444,
				AA865095,	T24569, Z	T24569, Z20397, AA070991, AA070717,
				AW189792,	AW170538,	AW189792, AW170538, AA906520, AA143494,
_				AA886922,	AI382046,	AA886922, AI382046, D50645, AC005726, AC004807,
				D50646, A74812	74812	
2087	HNFHY51	899913	Preferably excluded from the	Z99396, A	W392670, A	Z99396, AW392670, AL038837, AL037051, AL036725,
			present invention are one or more	AL036418,	AA631969,	AL036418, AA631969, AL039074, U46347, AL039085,
	• •		polynucleotides comprising a	AL039564,	AL036858,	AL039564, AL036858, AL039156, AL039108,
_			nucleotide sequence described by	AL038509,	AL039109,	AL038509, AL039109, AL039128, AL036924,
	_		the general formula of a-b, where a	AW384394,	AL119484,	AL119484, AW363220, AL037094,
			is any integer between 1 to 702 of	AL039659,	AL038531,	AL038531, AL036196, AL039625,
_			SEQ ID NO:2087, b is an integer of	AL039648,		AL045337, AW372827, AL036767,
			15 to 716, where both a and b	AL119457,		AL037082, AL043003, AL037526,
			correspond to the positions of	AL036190,		AL119497, AL037639, AL119319,
		_	nucleotide residues shown in SEQ ID	AL039678,		AL039629, AL119324, AL039423,
			NO:2087, and where b is greater	AL036238,		AL038447, AL039150, AL119439,
			than or equal to a + 14.	AL119391,		AL119443, U46350, AL040992, AL042909,
				AL119522,		U46351, AL119483, AL119363, AL119355,
				AL037077,		U46341, U46349, AL119341, AL038520,
				AL119396,		AL037726, AL119335, AL119418,
				AL039410,	AL038851,	AL038851, AL039386, AL119496,
				AL036268,	AL037085,	AL036268, AL037085, AL119444, AL037205,
				AL134530,	AL036998,	AL134530, AL036998, AL036733, AL037615,
				AL134519,	AL134531,	AL134531, AL119401, AL134132,

				AL134527,	AL134528,	AL043147,	AL134527, AL134528, AL043147, U46346, AL037178,
				AL037027,	AL037027, AL042614, AL036679, AL119464	AL036679,	AL119464,
				AL134533,	AL134533, AL042544, AL119399, AL042984,	AL119399,	AL042984,
				AL042965,	AL042965, AL042975, AL042542, AL134538,	AL042542,	AL134538,
		_		AL036765,	U46345, AL	036191, AL	U46345, AL036191, AL042989, AL036719,
				AL043019,	AL042551, AL043029, AL042450,	AL043029,	AL042450,
				AI142134,	AL037021, AL037054, AL036774,	AL037054,	AL036774,
				AL036836,	AL036158, AR066494, AR060234,	AR066494,	AR060234,
				AR023813,	A81671, AR064707, AR069079	064707, AR	9069019
2088	HTOHV42	900015	Preferably excluded from the	AI014506			
			present invention are one or more				
			polynucleotides comprising a				
			nucleotide sequence described by				
			the general formula of a-b, where a				
			is any integer between 1 to 1410 of				
_			SEQ ID NO:2088, b is an integer of				
			15 to 1424, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:2088, and where b is greater				
			than or equal to a + 14.				
5089	HWLX002	900162	Preferably excluded from the	AW373239,	AW372628,	N27996, A	AW373239, AW372628, N27996, AA377857, AA422157,
			present invention are one or more	AI808730,	AW393029,	R73350, A	AI808730, AW393029, R73350, AA326416, AW373220,
			polynucleotides comprising a	R54681, A	IB27898, AI	825876, AJ	R54681, AI827898, AI825876, AI650385, AI827701,
			nucleotide sequence described by	AI888306,	R50597, AI	934499, AV	AI888306, R50597, AI934499, AW006103, AI422225,
			the general formula of a-b, where a	AA524283,	AA524283, AI088893, AI422224, AI217369	AI422224,	AI217369,
			is any integer between 1 to 1212 of	AI380811,	AI469281,	AA494534,	AI380811, AI469281, AA494534, AA975272, N21338
			SEQ ID NO:2089, b is an integer of				
			15 to 1226, where both a and b				
			correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:2089, and where b is greater				
			than or equal to a + 14.				
2090	HWLKM7	900249	Preferably excluded from the	AW084558,	AW084558, AW409927, AW304724, AI745388,	AW304724,	AI745388,
_	7		present invention are one or more	AW136749,	AW136749, AI979175, AI817727, AW134503,	AI817727,	AW134503,
			polynucleotides comprising a	AA593923,	AA593923, AA573915, AI652793, AI675562	AI652793,	AI675562,

89, 68, 68, 68, 68, 68, 68, 68, 68, 68, 68	5639, 228355, 0131, C16300, T11028,
AL683795, A1922809, A1883612, A1884843, AA573905, A1656045, A1883786, A1984139, AA588051, A1656045, A1936791, A1479830, AA588051, A1590585, A1673630, A1347176, AA588051, A1590585, A1673630, A1347176, AW206967, AW137010, A1288836, AW170399, A1880526, A865939, A1371858, AM55707, A1861931, A1201641, AW050592, R00081, T53389, A2357517, AA552662, AW304869, A1015077, A1309572, A1262657, A1460271, A1932957, A156770, A1657807, A1460271, A1932957, A156770, A1680486, A1418738, A1973094, H26655, A1719489, R52030, AA327517, AW272341, AA553545, AW197366, H26610, A198829, D25775, AW087283, AA102055, A1880487, D84239, AC06950, 195742, A41079949	AA58545, AI525556, AI53 AA585453, AI52516, AI525328, AI525316, 1541523, AI556967, Z3 AI645991, AI557807, AI541365, AI546828, AI541365, AI546828, AI541535, AI54039, AIC44029, AIC44039, AIC40252, AI540967, AI541508, AIC4667, AIC40368, AIC44377, AIC403468, AIC44377, AIC40571, AIC46097, AIC40571, AIC46097,
A1922809, A1656045, A1590585, A15905819, AW137010, AW271527, AM252662, A1262657, A1652807, A1680486, A1880487, A1880	NS2439, N77401, AAS8 AA88544, AA585440, A1541510, AIS46855, A1541514, C15189, A AIS26180, AIS46899, AIS41034, AA585101, AIS41017, AA585356, AIS41017, AA585356, AIS4699, AIS46945, AIS5660, AIS5799, AAI34123, AL043950, AAI34123, AL0439607, ALS7262, AIS5813, AAI34123, AL044015, ALS36138, AL044015, AIS36138, AL044015, ALG43201, AL0440115, ALG43201, AL0440114,
AL683795, AA573905, AA588051, AA288051, AA26566, AI380626, AI380626, AI3909572, AI309572, AI309572, AI309572, AI309572, AI309572, AI309572, AI309572, AI309572, AI309572, AI309572, AI309572, AI309609, AI309609, AI309609, AI309609, AI309609, AI309609, AI309609, AI309609, AI309609, AI309609,	NS2439, N AA885434 AIS41510, AIS41510, AIS26180, AIS26180, AIS26180, AIS26180, AIS3660, AIS36
nucleotide sequence described by the general formula of a-b, where a is any integer between 1 to 1618 of SEQ ID NO:2090, b is an integer of 15 to 1612, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO:2090, and where b is greater than or equal to a + 14.	Preferably excluded from the present invention are one or more polynuclectides comprising a nuclectide sequence described by the general formula of a-b, where a is any integer between 1 to 2415 of SEQ ID No.2091, b is an integer of 15 to 2429, where both a and b correspond to the positions of nucleotide residues shown in SEQ ID NO.2091, and where b is greater than or equal to a + 14.
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	2091

		ALOA 2604	AT.O.A.S.B.3	IN SETRE	0190401K 71040610
			, , , ,	10000	AT 041000
	-		1,745817,	ALU4581/, ALU41142, ALU41238	ALU41238,
	?		L047183,		AL041131,
	1	AL046330, A	AL041051,	AL041292,	AL040119,
	<u>t</u>	AL047036, A	AL047170,	AL047057,	AL047219,
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		AL041197, A	AL040155,	AL041346,	AL040529,
		AL041096, A	AL047012,	AL041358,	AL041277,
	-	AL041163, A	AL041098,	AL040621,	AL043538,
	<u> </u>		AI526144,	AL040464,	AL044162,
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	7		AL041140,	AL040193,	AL044037,
		AL040091, P	AL040128,	AL040168,	AL040255,
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		AL043677, P	L046442,	AL046442, AL040839, AL041752	AL041752,
		AL040149, I	37491, AI	043775, AI	D57491, AL043775, AL044165, AL043492,
		AL041602, 7	L045920,	AL045920, AL041278, AL038838	AL038838,
		AL040253, 7	L044074,	AL044074, AL041635,	AL045990,
		AL040458, 7	AI541205,	AL044199,	AL044187,
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			AL044272,	AI525320,	AL041186,
			AL041730,	AL041523,	AL043627,
			AL046392,	AL041374,	AL040052,
			AL043537,	AL039338, AL042135	AL042135,
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			AI546891,	AL045753, AL044274	AL044274,
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		AL039744, 1	AL045857,	AI546875,	AL038822,
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		AL040075, AA585438, T41289, T23957, AI557084,
		AI541506, AL080031, AI541345, AL045989, R29177,
		AI526073, AI557155, AI525203, AI541048,
		AI526187, AL042096, AI557279, AL037436,
		AL042346, AL133620, AB033076, AR017907, I13349,
		A91965, I66495, I66494, I66487, I66498, I66497,
		166496, 166486, 166481, A83642, 166488, 166489,
		A83643, I66485, I66490, I66491, I66492, I66493,
		A83151, I66482, I66483, I66484, X81969,
_		AR038855, AR062871, A91752, AR008429, A32110,
		I05488, I61310, A25909, A60961, A60977,
		AR062872, AR062873, I08196, A20702, A20700,
		A43189, A43188, A85395, A85476, A68112, A68104,
		A06419, A21892, A23997, A68114, A89633, A89634,
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		AR028564, A05160, A08030, A20502, AR027319,
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		A47368, A84772, I19516, A58523, I19517, A76773,
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		I25027, I26929, I44515, AR002333, I26928,
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		I44681, AJ244004, AJ244005, AF082186, A92133,
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		Y16359, AR035975, AR035974, AR035977, AR035976,
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_		M28262, AJ244007, I15717, I15718, E03627,
		I49890, I48927, A02712, I84553, A95051, I84554,

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+				AJ230935, D50010, AJ230902, I05558, AA247997
2092	HCRPZ48	969006	Preferably excluded from the	Z99396, AL038837, AL037051, AL036725, AW392670,
			present invention are one or more	AL036418, AA631969, AL039074, AL036858,
			polynucleotides comprising a	AL036924, AW384394, AL039564, AL039085,
	-		nucleotide sequence described by	AL038509, AL039156, AL039108, AL039109,
_		_	the general formula of a-b, where a	
			is any integer between 1 to 888 of	
			SEQ ID NO:2092, b is an integer of	
			15 to 902, where both a and b	
		_	correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:2092, and where b is greater	
			than or equal to a + 14.	AL119355, AL039423, AL036238, U46341, AL119335,
				AL038447, AL039150, U46349, AL119341, AL040992,
				AL042909, AL119396, AL119418, AL134531,
_		-		AL039386, AL037077, AL119496, AL119439,
				AL036268, AL134533, AL042984, AL037085,
				AL038520, AL119444, AL037205, AL037726,
				AL134528, AL036998, AL043003, AL036733,
				AL039410, AL037615, AL038851, AL119401,
				AL134527, U46346, AL042614, AL037027, AL119399,

				The state of the s
				AL134538, U46345, AL036679, AL042989, AL042544,
				AL036719, AL043019, AL042551, AL036191,
				AL043029, AL042450, AI142134, AL036765,
				AL037054, AL119464, AL036774, AL037021,
				AL036836, AL036999, AL036886, AL036158,
				AR066494, AR060234, AR023813, A81671, AR064707,
				AR069079, AB026436, AR054110
2093	HCRMU04	22006	Preferably excluded from the	AA258714, AA258479, AW372226, AA625114,
			present invention are one or more	AI337232, AW372227, AI739102, AA505288,
			polynucleotides comprising a	AI418892, AA551238, AA853934, AI936957, R52096,
			nucleotide sequence described by	AA481002, R46499, AW166753, AA770298, AW071542,
			the general formula of a-b, where a	H17104, AIS82908, AW007814, AI086723, AI338746,
			is any integer between 1 to 1801 of	AI340064, AI094613, AI096869, AI922132,
			SEQ ID NO:2093, b is an integer of	AI357394, AI423481, AW087313, AI421759,
			15 to 1815, where both a and b	AI356823, AA287330, N94480, AA524286. AW005778,
			correspond to the positions of	AI922862, AW191028, AI566341, AA470698.
			nucleotide residues shown in SEO ID	AI421557, AI361016, AI359797, AI362874
			No:2093, and where b is greater	AI863909 AIRRO712 F09352 AI922424 AAR73767
			than or equal to a + 14.	AA481480 AA291405 N20109 AT263664 AA670059
				CCCASCIK GROCOLIK GGOLOCIK GROCOLIK
		_		ALCHOUST, MOTOCOL, MICHOLOT, MICHOLOT, MICHEST,
				D54296, AI539565, AA789159, AA853935, AA482101,
				AI360188, Z40719, AA400811, AI214242, AA629142,
				AA095376, T58139, AI034063, N31573, AI040574,
				H43298, AA953460, AW131152, AI146352, AW054979,
				AI648405, AA921717, AW375413, AI445988,
				AI888216, AI083784, AW136876, AA421021,
				AI271977, R22588, AI360977, AW188664, AI085523,
				AI613427, AW057831, AA679957, AA524336, M79269,
				AIS98125, AI620319, H65453, AI078721, F30056,
				AA701072, W23927, W94067, W22794, AW265783,
				AA480986, D87444, AL049539
2094	HHBEA82	900784	Preferably excluded from the	T27258, AI634860, AI767588, AA894544, AI991689,
			present invention are one or more	AA404730, AI635347, AA195244, AA411217,
			polynucleotides comprising a	AW236952, AW293268, AI640606, AW072654,
			nucleotide sequence described by	A1633129, AI360887, AW274499, AI096717,

	_		the general formula of a-b, where a	AW081124,	AW081124, AI373594, AW117198, AI424073,	AW117198,	AI424073,
			is any integer between 1 to 5445 of	AA404665,	AA404665, AA236948, AW274623, AI471566,	AW274623,	A1471566,
			SEQ ID NO:2094, b is an integer of	AI041076,	AI041076, AA742216, AA977785, AI979247,	AA977785,	AI979247,
			15 to 5459, where both a and b	AW073726,	AA436906,	AI129863,	AW073726, AA436906, AI129863, AI359758, N24934,
	•		correspond to the positions of	AA491080,	AA491080, AA971157, AI081860, AA490894,	AI081860,	AA490894,
	_		nucleotide residues shown in SEQ ID	AL135446,	AI077569,	N32934, A.	AL135446, AI077569, N32934, AI167862, AI623813,
_	_		NO:2094, and where b is greater	AA746317,	AI581166,	AA804498,	AA746317, AI581166, AA804498, H28620, AA293454,
_	-		than or equal to a + 14.	AA906102,	AA293745,	T27536, N.	AA906102, AA293745, T27536, N29816, AA640194,
				H97513, W	73436, AI35	59073, L44	H97513, W73436, AI359073, L44338, AI040170,
				AA931607,	AA931607, AW079283, AI018416, AA235854,	AI018416,	AA235854,
	-	-		AA386013,	AA307874,	H94085, A	AA386013, AA307874, H94085, AA782504, AA742947,
				W37849, We	59386, AA6	04174, AIS	W37849, W69386, AA604174, AI540240, AA805133,
				AI695574,	AI695574, AI537063, AI337935, AA411218,	AI337935,	AA411218,
				AI371459,	W73359, A.	1422480, W	AI371459, W73359, AI422480, W74279, R50230,
_				R07065, R.	31685, H940	073, AA731	R07065, R31685, H94073, AA731784, AA434174,
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				AW103819,	W69387, AJ	A101857, A	AW103819, W69387, AA101857, AI873792, AI951278,
_				AA577407,	AI701686,	Z22014, Z	AA577407, AI701686, Z22014, Z98524, H83873,
_				C00310, R	50175, .224	849, AA152	C00310, R50175, Z24849, AA152394, AI244588,
		_		AA904357,	R67423, A	A761110, A	AA904357, R67423, AA761110, AA860891, AA935867,
	_			AI126673,	N30780, F	00170, D29	AI126673, N30780, F00170, D29461, AA377229,
				AI932570,	AA397568,	AA399529,	AI932570, AA397568, AA399529, AA730516, N99583,
•	-			AA679080,	AI382296,	AA374839,	AA679080, AI382296, AA374839, Z98525, AI362551,
				AI913234,	AI913234, AI741350, AI920850, AI018184,	AI920850,	AI018184,
_				AA702114,	R81654, D.	29114, AA1	AA702114, R81654, D29114, AA152500, AA148355,
				H94072, N.	41550, W37	848, AF106	H94072, N41550, W37848, AF106037, AF222340,
┪	1			AF183569, AB011097	AB011097		
2095 H	HWHGX93	900838	Preferably excluded from the	AI922425,	AI922425, AW190231, AW003584, AA528226,	AW003584,	AA528226,
			present invention are one or more	AI815200,	AI815200, AW006766, AW385445, AW190883,	AW385445,	AW190883,
			polynucleotides comprising a	AI337868,	AI337868, AI983250, AW262130, AW337212,	AW262130,	AW337212,
			nucleotide sequence described by	AW305087,	AW305087, AI587497, AI826854, AI640371	AI826854,	AI640371,
			the general formula of a-b, where a	AI218233,	AI218233, AI337958, AW373439,	AW373439,	N93894, AW000789,
			is any integer between 1 to 2071 of	AA927991,	AA927991, AA071469, AW373440,	AW373440,	AA513750,
	-		SEQ ID NO:2095, b is an integer of	AI688284,	AI688284, AI696797, AA922948, AA857092,	AA922948,	AA857092,
			15 to 2085, where both a and b	AI246042,	AI246042, AI920995, AI624419,	AI624419,	W92531, AI491929,
			correspond to the positions of	AI828286,	AI379231,	AI091871,	AI828286, AI379231, AI091871, AI584063, W72225,

	nucleotide residues shown in SEO ID	AW204980 ATR18524 AT178518 AT280799
	NO:2095, and where b is greater	
	than or equal to a + 14.	AI608680, AI435229, AI627567, AI587133,
	•	AI445568, AI354309, AW305146, AI587049,
		AW338230, AW440094, AI084022, AA449749,
-		AA431858, AI366084, AA505877, W77968, AI911667,
		AW130716, N64004, AA976403, AW337258, N32415,
		AA449032, AW136886, AI124030, AA528219,
		AI453434, AW193263, AI431982, AI631423,
		AI952361, AI223458, F37472, AI401365, AI290429,
		AW132036, AA429960, AI333455, AW058441,
		AA024772, AI950830, AW276587, AI357328,
		AI587493, AA295018, AI220027, AI360535,
- 12-2		AW338970, H87071, AI453327, AW263304, AW044542,
		AW006613, AI950575, AW316754, AW304759, H16121,
		AI252225, AA705737, AA024771, AA335712,
		AI580689, AA295688, N32424, AI583059, H44092,
		D62000, N56835, AA602994, D79675, AI537354,
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		AW380238, D62131, D79867, AA371169, AA834426,
_		AA339113, AW263466, D62031, AI536580, AW292336,
		AW198171, AW192650, D79597, AA176165, AI932668,
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-		AW262566, AA082155, AA297695, C16543, H14624,
		C16137, AI686490, D62783, H87723, AI624168,
		AI949192, AA297550, C02046, AA095691, H29095,
		AA093657, AW385441, H28991, N56478, D61986,
-		AI921253, AW029179, D79835, AA329099, AW089105,
		N83254, AA295743, AI648663, AW021588, AW161579,
		AI608936, AI637584, AI498067, AW301409,
		AL039086, AL121496, AI281772, AW169671,
		AI811344, AW081255, AW198090, AW059713,
_		AI362637, AL045266, AI476046, AW088134,
		AI933589, AW190042, AI922676, AW088903,

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,	A153723, A1889376, A1524671, A1884469.
	A1874166, A1670009, A1802542, A1796743,
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	ALO50024, AF118070, AL049430, E02349, AF111851,
-	AL122098, AL117457, AL050116, AL133016,
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	ALO80127, X72889, U35846, A58524, A58523,
	E03348, AF158248, AL050277, AL137538, AL117394
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	AL133606, L31397, X96540, AL122110, E07361,

				I42402, X93495, AF097996, AL080159, AF087943,
				X70685, AL133113, AF067728, U67958, AF119337,
				I09360, I26207, AL133072, AL137283, AL110197,
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				AF026816, AL133104, AL133014, AR000496, U39656,
				AL137556, I00734, E00617, E00717, E00778,
				AL137480, AL122049, E08263, E08264, AF026124,
				AF111112, A45787, AL050172, AL133568, AF106827,
				AF111849, S61953, AL137523, U58996, AF003737,
				AL133067, Z72491, AF000145, AF185576, AL110280,
				AR038969, I17767, U96683, I09499, AL117440,
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				AF079763, A07647, L19437, L30117, M30514,
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				A90832, AF106657
5096	HTNA180	900919	Preferably excluded from the	AA910946, AW370766, AA773478, AI147187,
			present invention are one or more	AI627563, AW245820, AW084163, AA827996,
			polynucleotides comprising a	AI654448, AI445660, AI925490, AW370781,
			nucleotide sequence described by	AI261225, AA444056, AI860488, AI339998,
			the general formula of a-b, where a	AA662124, AA826649, AA916472, AW206617,
			is any integer between 1 to 1767 of	AI082028, AW293553, AA588398, AA781244,
			SEQ ID NO:2096, b is an integer of	AA100487, AA444074, AA662089, AW363526,
			15 to 1781, where both a and b	AW169569, AI619549, AI272817, AA099576,
			correspond to the positions of	AA626735, AI476556, AA563618, AW005594,
			nucleotide residues shown in SEQ ID	AI669785, AI694033, AW370776, AA100486,
			NO:2096, and where b is greater	AA130971, W31417, AA838073, AA826578, AI869910,
			than or equal to a + 14.	AI694055, AW128848, AI285208, AI813824,
			•	AI700255, AA548132, AW374533, AA983604,
				AW245780, AI688313, AA102239, AW374457,
				AA337602, W04536, AA774600, AA384358, R00451,
				W92449, AA336823, W92448, AI401368, AW087441,
				AI269310, C06239, AA130960, AI991651, AA016201,

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	AA927954,		AW374501, AW374602, AI934259	AI934259,
	AW051233,		AI345347,	AW027904,
	AW169624,	AW050578,	AW020419,	AI554827,
	AI612750,	AI915291,	AI872555,	AI678395,
	AI670767,	AI866082,	AL119828,	AI827154,
	AI673785,	AW059828,	AI538850,	AI500061,
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	AL047344,	AI884318,	AA928539,	AA620560,
	AW088697,			AW117919,
	AI538885,	AW088628,	AI521799,	AW020693,
	AI357940,	AI340603,	AI540759,	AI345396,
	AI345471,		AI628833,	AI251221,
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	AI287477,	AI540674,	A1446373,	AL038605,
-	AI570912,	AI284131,	AI824576,	AI690748,
	AI866573,	AA176980,	AI784219,	AI242248,
	AI340519,	AI355779,	AI334714,	AI434453,
	AI926669,	AI922215,	AI133559,	AI783498,
-	AI648436,	AW161579,	AI335363,	AA808311,
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	AI701885,		AI860027,	AI553645,
	AI340627,	AI889372,	AW090013,	AI872423,
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	X60786, I49625, A08907, AL133093, AL137550,	7550,
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	AR038969, A76335, AL117626, AF118090, AL117583,	AL117583,
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	U78525, AF090001, AL122121, AL133112, I89944	I89944,
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	ALO80159, D89079, U58996, AF079763, AF061981.	061981,
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	AL137526, AF054599, X87582, AL110196, AF087943,	AF087943,
	X83544, AL122106, AF111851, AL137538, AL117649,	AL117649,
	AF090903, A07647, AL050116, AL023657, AL137533,	AL137533,
	AL080140, AL137656, AL133568, U88966, U00763,	U00763,
	AR000496, U39656, A91160, AL0S0149, AF146568,	146568,
	AL137273, AL133506, AL137521, A91162, AC006840,	AC006840,
	AF162270, I41145, E00617, E00717, E00778,	78,
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	AL122110, AL8788, AL137429, AF113690, X82434	X82434,

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				AF003737, AF113019, AF113689, L19437, AF090943,
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2097	HCRP045	996006	Preferably excluded from the	AL110406, AL042617, AI207822, AI921758,
			present invention are one or more	AW103491, AI951947, AW245787, AW151593,
			polynucleotides comprising a	AI494358, AI262716, AW245429, AW341614,
			nucleotide sequence described by	AW378336, AA894688, AI801517, AI076235,
			the general formula of a-b, where a	AI828126, AA904279, AI675937, AI460342,
			is any integer between 1 to 3081 of	AI128285, AW294715, AI745086, AI077325,
			SEQ ID NO:2097, b is an integer of	AL042068, AA115771, AI624138, AI082386,
			15 to 3095, where both a and b	AA459947, AW167502, AI540099, AI635602,
			correspond to the positions of	AI364603, W67744, AW341954, AW078482, AI434372,
			nucleotide residues shown in SEQ ID	AI953308, AW261951, AW005837, AI633304,
			NO:2097, and where b is greater	AI623521, AI057179, AI368673, AA004519,
			than or equal to a + 14.	AW168441, AA552497, AIS91419, AI564983,
				AA974973, N23827, AI692827, AA627254, AA448321,
				AA314542, AW080692, AI205001, AI368672,
				AI872494, AW074327, AI872477, AI758700,
				AI680387, AI334786, AA641824, H14234, AW051418,
_				W67145, AI493453, AI184117, AI378974, AA377758,
				AI720317, AW082444, AI363715, AA074282, N25080,
				AW190481, AI439839, AI032415, AA552221,
				AI825222, AI473352, AW378284, AI198651,
				AI432602, H65846, AA729339, AI784394, W32168,
				F28183, AW370330, AI870988, H69297, H28474,
				R54785, AI356300, H58452, AA113878, AA868529,

				AA470038, AA115770, D54636, AW263948, W92582,	582.
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				AA416938, R54975, AI669735, AI690365, AA343797,	143797,
				AA400959, W32110, AI270015, AI859811, AW393711,	193711,
				H61829, AA968922, AI351193, AI911491, AA814464,	314464,
	-			AA291849, H58453, AA421734, AA434017, AI000272,	000272,
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				AW090284, AA296340, AA400890, AA291727,	
	_			AA411311, AI669906, T29492, AA477140, AA291696,	291696,
				AI561336, W92583, AW378332, AA004602, H61828,	1828,
				AA907778, AA614865, AI933538, AA904512,	
				AW378303, AI279499, AW372174, AI560558, C17284,	217284,
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				AA581394, R62494, AI696415, AI299631, AW378274,	378274,
				H39968, AA460036, AA641823, AI964054, D20567,	3567,
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_				X06811, M57936, X07402, X07403, X06819, X17451,	K17451,
				AA456813	
2098 HW	HWLWF60	166006	Preferably excluded from the	AW368386, AW238539, AA029705, AI831658,	
			present invention are one or more		
	-		polynucleotides comprising a	AW392516, AI719057,	
_			nucleotide sequence described by	AI753535,	_
_			the general formula of a-b, where a		
			is any integer between 1 to 1400 of	AI831455, AA126431,	
• • •			SEQ ID NO:2098, b is an integer of	AW148955, AW102926, AI609085, AW072010,	
			15 to 1414, where both a and b	AI951355, AA449167, AI189194, AI828698,	
_			correspond to the positions of	AI014547, AW168852, AI148422, AA305104,	
			nucleotide residues shown in SEQ ID	AI147540, AI499218, AA431664, AI625708,	
			NO:2098, and where b is greater	AIS65713, AI148267, AW118509, AA315632,	
			than or equal to a + 14.	AA745627, AA826234, AI144475, AW169850,	
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		_		AI339069, AI023124, AA457092, AA577508,	
				AW050921, AA602566, AA431311, AA633001,	
				AA229090, W00840, AI199803, AA405536, W45253	5253,

	AI269467, AA630008, AI066482, N98500, AI167735,
	AA854101, W69773, W80519, AA926675, AA643707,
	AA563837, AA476496, AW372478, AA305369,
	AI961469, AI271734, AA668561, AI128691,
	AI744974, AA130762, AA910180, AW392522,
	AI065149, N25901, W31066, W80520, AW372358,
	AA405545, AI148336, AI597627, AA312742,
	AW404947, AA877983, N30924, N62547, AA570576,
	AI077917, AI017451, AA399426, AI832854, W42994,
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	N55794, H94735, AA352774, AA327217, AA904802,
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	A07588, E02349, AF079763, U55017, X67688,
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	AL117435, U49908, I48979, A70386, E02152,
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	I89934, I29004, ALOBO124, AF113690, AL133067,
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	X63574, M92439, AF061795, E01573, E02319,
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			AA918028,	AA918028, AA654613, AA411037, AI038134,	AA411037,	AI038134, D11685	ιņ
HCNCY58	900993	Preferably excluded from the	AI732436,	AI732436, AA579242, AI954628,	A1954628,	AI763064,	<u> </u>
		present invention are one or more	AA053424,	AI493412, AW134526,	AW134526,	AA534814,	
		polynucleotides comprising a	AI967966,	AA053043,	AI992267,	AI342785,	
		nucleotide sequence described by	AI304542,	AI913775,	AI864467,	AI733752,	
		the general formula of a-b, where a	AW376406,	AL134524,	AI142134,	AL038983,	
		is any integer between 1 to 2157 of	AL037727,	AL039643,	AL041347,	AL039432,	
		SEQ ID NO:2099, b is an integer of	AL037443,	AL037343,	AL037335,	AL037436,	
		15 to 2171, where both a and b	AL037323,	AL049018,	AL038838,	AL041238,	
		correspond to the positions of	AL047012,	AL044125,	AL047170,		
		nucleotide residues shown in SEQ ID	AL047219,	AL044162,	AL040193,	AL040621,	
		NO:2099, and where b is greater	AL043538,	AL047183,	AL043496,	AL040464,	
		than or equal to a + 14.	AL041324,	AL045817,	AL041098,	AL040119,	
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			AL038822,	AL040625, AL038532,	AL038532,	AL040322,	
			AL041163,	AL038761, AL047057,	AL047057,	AL040617,	
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			AL041086,	AL045684, AL041246,	AL041246,	AL041197,	

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		AL040444,	AL041292,	AL040052,	AL041730,
		AL041523,	AL043627,	AL041277,	AL041159,
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	AJ230902, AJ244007, I	AJ230902, AJ244007, I05558, AR023813, I08396,
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	A95051, Z32836, I8455	A95051, Z32836, I84553, A92133, I84554, M28262,
	A02712, A18053, I0685	A02712, A18053, I06859, A23334, A75888, I70384,
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	. AR067732, AS8522, A91	AR067732, A58522, A91750, I15718, AF149828,
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_	I13349, A22738, A20702, A10361, AJ231009,	32, A10361, AJ231009,
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	AJ244004, AJ244005, 1	AJ244004, AJ244005, I66487, A90655, A93016,
	I44681, I03331, I00682, I08051, AJ230972,	82, I08051, AJ230972,
	X83865, A86792, AF082186, A98767, A20699	2186, A98767, A20699,
	E14304, A77094, A7709	E14304, A77094, A77095, A11623, E00609, A11624,
	E00696, AR031488, I13521, E00697, A81878,	3521, E00697, A81878,
	I52048, A93963, A9396	[52048, A93963, A93964, A27396, I63120, A95117,
	I49890, I44531, All17	I49890, I44531, A11178, E01007, AR037157,
	AR054109, A64973, E03813, A25909, A91965,	3813, A25909, A91965,
	A24783, I44516, A24782, A70040, I66482,	82, A70040, I66482,
	AR009151, I66485, I66	AR009151, I66485, I66483, I66484, E16678,
	A82653, AR038066, AR	A82653, AR038066, AR027099, E16636, AR051652,
	Y09813, AR038855, AR	Y09813, AR038855, AR051651, E12584, AR064706,
	U94592, D17247, A93923, Y11449, I01995,	23, Y11449, I01995,
	AR008429, A93916, Y11	AR008429, A93916, Y11447, I25027, I26929,

				I44515, I26928, A98420, A98423, I26930, I26927,
				A98432, A98436, A98417, A98427, AJ231028,
				AR022273, A81671, AR069079, AR051957, D50010,
				ABUZSZIS, DISSIB, AYU889, A93931, A/U872, X81969, Y11458, A22734, E17098, AB026436.
				A85203, AL133053, AL122101, I19525, AL133074,
2100	HCNDA61	901111	Preferably excluded from the	ARUS411U, AU5631, AJZ30845 AT799005 AT478852 AT825946 AW205093
3	Town Street	-	present invention are one or more	A173903, A1470032, A162346, AWC03033,
			polynucleotides comprising a	AI193494, AI873043, T94447, AA573526, AIS66445.
			nucleotide sequence described by	T98050, AW294597, T98141, T94534, AI940596,
			the general formula of a-b, where a	A1940601, A1922766, AA931283, T24595, AI623271,
			is any integer between 1 to 1172 of	AA648186, AI023258, AW369427, AW176607,
			SEQ ID NO:2100, b is an integer of	AI971154, AI888177, AA992910, AF061022, AF061024
			15 to 1186, where both a and b	
			correspond to the positions of	
			nucleotide residues shown in SEQ ID	
			NO:2100, and where b is greater	
			than or equal to a + 14.	
2101	HCNUB65	901125	Preferably excluded from the	AW009763, AI660234, AI660957, AW361534,
			present invention are one or more	AW361532, AW361521, AI802756, AW361520,
			polynucleotides comprising a	AI802693, AW361523, AA508854, AI721275,
			nucleotide sequence described by	AA581198, AW361522, AW009764, AI687981,
			the general formula of a-b, where a	AW361528, AA296955, AI721121, AA297150, D25727,
			is any integer between 1 to 3095 of	AI582072, AA305409, AA514186, D80166, D58246,
			SEQ ID NO:2101, b is an integer of	C14014, AI535686, D80439, D81026, D51221,
			15 to 3109, where both a and b	D51060, H67854, D80022, D81030, D81111, D80133,
			correspond to the positions of	D80157, D80212, D59619, D80210, D80240, D80219,
			nucleotide residues shown in SEQ ID	D80064, D57483, H67866, D59859, D59551, D80196,
			NO:2101, and where b is greater	C14227, D80391, D59787, D80251, D51799, D80164,
			than or equal to a + 14.	D80024, D80268, D80366, D59889, D80188, D51423,
				D59317, D80253, C14389, Z21582, C14973, D59653,
				D80227, C15076, AA809122, F13647, D80247,
				C03092, D80258, C06015, D59610, D80195, D59474,
				T11417, D58283, D59503, D59275, D80248, D80045,
				D50979, D59502, D80269, C14331, D80014,

			AA305578, D59467, D51022, D80038, D80043, D50995, C16955, A1525912, D51759, D80302.
			D58101, D80522, C05695, C14957, D59927, T03116,
			D45260, C14046, C14344, D80241, C14407, D80193,
			AI525920, D51103, D59627, AI525235, AA514188,
	-		D80168, D60010, AIS2S215, AIS25917, AIS25923,
			D59373, D80378, D45273, Z30160, C14298,
			AI525242, Z33452, T02974, AI525222, C75259,
			AA514184, D51053, D80949, AI557774, C05763,
			AIS57751, AIS25227, DS1213, D59695, D51079,
			T02868, H67858, AW369651, C13958, D52291,
			C14077, AI525237, D31458, AI525925, AI525216,
			AI525238, D50981, D80228, N66429, AI525219,
			AI525228, T03048, AI525239, AI525969, AI525907,
			AI525908, AI525903, AF127036, AF039400,
			AB017156, AF095584, I95746, AF039401, A62300,
			A62298, AR060385, AR008277, AR008281, AR018138,
			AR008278, I14842, AB028859, AJ132110, AB002449,
			A82595, A84916, AR054175, AF058696, I79511,
-			X64588, X67155, X68127, AR016691, AR016690,
			U46128
2102 HWLRB02	901128	Preferably excluded from the	AA974396, T69960, T69910, AA321203, AI769017,
		present invention are one or more	AA729017, AI125450, AI608864, AA815245,
		polynucleotides comprising a	AI473420, N54352, AI702478, H95603, AI052817,
		nucleotide sequence described by	H38939, AA644692, R09543, R02194, AI216124,
		the general formula of a-b, where a	AW176420, H86594, AI432644, AI623302, AI431307,
		is any integer between 1 to 1424 of	AI431316, AI431238, AI432666, AI431230,
		SEQ ID NO:2102, b is an integer of	AI431235, AI431246, AI432653, AI431323,
		15 to 1438, where both a and b	AI431321, AI431315, AI432654, AW081103,
		correspond to the positions of	AI432650, AI432677, AI431257, AA218744,
		nucleotide residues shown in SEQ ID	AA218768, AI431328, AL042729, AI431312,
		NO:2102, and where b is greater	
		than or equal to a + 14.	
			AL042853, AL045327, AL042533, AL043166,
			AL042832, AL042741, AL047611, AL135012,
			AI431350, AI431347, AI431318, AL042802,

		ALU42/8/, A143265/,	
		AI431354,	5328,
		AL040207, AL042488, AC022517, AC003983,	_
		AL122126, AC007284, AL135922, AC004943,	
		AC004147, AC009263, AC006270, AL049777,	
		AC004253, AL035687, AL096707, AC004617, U52112,	2112,
		AF001905, AC005005, AC005004, Z72519, AC007876,	7876,
		AC005548, AC004843, AC008080, AC007649,	
		AC005821, AF029308, AC004986, AC004831, 2973	297353,
		AF042484, AL020997, AL035653, AC006397,	
		AP000500, AP000952, AC005544, AC005411,	
		AC002525, AC002523, AL031274, AL049589,	
		AL117667, AL031120, AP001063, AB008681, 2848	284814,
		AC008170, AC006238, AP000968, AC006212,	
		AC005632, AF165176, Z95704, AL031388, AC007021,	7021,
-		AP000475, AC006383, AL049797, AC004972,	_
		AL022400, AC003087, AF064863, AC006464,	
		AL034371, AC004478, AL080239, AC005915,	
		AC000119, AC004019, AC005220, AF001550,	
		AL035467, AC005349, AC006840, AL031668,	
		AL079352, AL023775, AC005951, AL031230,	
		AC007156, AC005863, T49155, T49699, R07004,	
		R40742, R40742, H06492, H30564, H40677, H86072,	6072,
		H86543, H86569, N71755, W39372, W86503, W92466,	2466,
		W96135, AA013379, AA016189, AA017476, AA019443,	9443,
	-	AA021123, AA021310, AA028068, AA031658,	
		AA035574, AA054248, AA059113, AA059194,	
		AA102640, AA135206, AA151930, AA152111,	
		AA156568, AA190486, AA227020, AA227565,	
-		AA236317, AA253218, AA256134, AA256047,	
		AA258712, AA419606,	_
		AA428585, AA429539,	
		AA513740, AA514540, AA548372, AA557441,	_
		AA568471, AA602564, AA604253, AA610240,	
		AA568809, AA618500, AA618602, AA639730,	
		AA576999, AA668780, AA729826, AA738262,	

				AA748351,	AA748351, AA769191, AA826910, AA838222,	AA826910,	AA838222,	
_				AA856578,	AA856578, AA887478, AA903993, AA923484,	AA903993,	AA923484,	
		_		AA934762,	AA934762, AA953033, AA973742, AA977546,	AA973742,	AA977546,	<u> </u>
				AI083719,	AI095039,	N55802, N5	AI095039, N55802, N56369, W29115,	15,
				AA641436,	AA643059, AA170840, AA411709,	AA170840,	AA411709,	
				AA453677,	AA479240, AA669335, AA670172,	AA669335,	AA670172,	
_				AA447746,		AA782736,	AA779698, AA782736, T26327, AA909244,	909244,
_				AA968939,	Z40403, Z4	1712, F073	Z40403, Z41712, F07314, AI261269,	69,
				AI273214,		AI275808,	AI280684,	
	_			AI197914,		AI289883,	AI301333,	
				AI335020,	AI335856,	AI367668,	AI380398,	
				AI347030,	AI436465,	AI457810,	AI417451,	
				AI469090,	AI471619, AI492303,	AI492303,	AIS59582,	
				AI498211,	AI498211, AI498922, AI567950,	AI567950,	AI582535,	
				AI423965,	AI423965, AI149145, AI151207, AI627930,	AI151207,	AI627930,	
				AI205031,	AI205031, AI224159, AI537852, AI589440,	AI537852,	AI589440,	
				AI342557,	AI342557, AI609698, AI610646,	AI610646,		AI636060
2103	HSDKL35	901202	Preferably excluded from the	AW165999,	AW165999, AI818580, AI635849, AI768065	AI635849,	AI768065,	
	_		present invention are one or more	AI083757,	AI083757, AA581468, AI479682, AW243083,	AI479682,	AW243083,	
-			polynucleotides comprising a	AA054686,	H29261, H2	9344, AA77	AA054686, H29261, H29344, AA774784, AA788898,	8898,
			nucleotide sequence described by	AA563853,	T61913, T7	4334, AI74	AA563853, T61913, T74334, AI744782, T09341,	41,
			the general formula of a-b, where a	AW058478,	AW058478, AW020551, AI654542, AI741569,	AI654542,	AI741569,	
			is any integer between 1 to 2429 of	AA364806,	N46425, Tl	1289, N515	AA364806, N46425, T11289, N51579, AI676141,	41,
			SEQ ID NO:2103, b is an integer of	T89040, T	51976, AW40	18761, R171	T89040, T61976, AW408761, R17137, AA774891,	91,
			15 to 2443, where both a and b	AI750509,	AI750509, AI762849, AJ245620, AJ245619	AJ245620,	AJ245619	
_			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:2103, and where b is greater					
			than or equal to a + 14.					
2104	HJPCX37	901253	Preferably excluded from the	AL120519,	AL120518, AW167654, AI860695,	AW167654,	AI860695,	
			present invention are one or more	AA878120,	AA878120, AW340140, AA824284, AI829215,	AA824284,	AI829215,	
			polynucleotides comprising a	AI858970,	AI858970, AI983809, AA723802, AA233673,	AA723802,	AA233673,	
			nucleotide sequence described by	AI910795,	AI910795, AA527075, AI687053, AI289782,	AI687053,	AI289782,	
			the general formula of a-b, where a	AW195947,	AW195947, AA494414, AI680070, AW132045,	AI680070,	AW132045,	
	•		is any integer between 1 to 2505 of	AI368513,	AI368513, AW439152, AI688692, AI688681,	AI688692,	AI688681,	C00730,
			SEQ ID NO:2104, b is an integer of	AI697102,	AI697102, AW293340, AA524205,	AA524205,	AA514491,	

			15 to 2519, where both a and b	AI337294,	AI858216,	AI337294, AI858216, AI857575, AW022981	AW022981,
			correspond to the positions of	AI652837,	AC005837,	Y11274, A	AI652837, AC005837, Y11274, A59344, AL122093
			nucleotide residues shown in SEQ ID				
			NO:2104, and where b is greater				
			than or equal to a + 14.				
2105	HPBEM10	901276	Preferably excluded from the	AA287703,	AA287702,	AA365652,	AA282618,
			present invention are one or more	AA927786,	AW364617,	AA927786, AW364617, AA027167,	F24601, AI968421,
			polynucleotides comprising a	AI913352,	AI302397,	AI913352, AI302397, AI040349,	T56496, AA355129,
			nucleotide sequence described by	AI984941,	AI184494,	AI984941, AI184494, AA480189, AI128765,	AI128765,
			the general formula of a-b, where a	AA027168,	AA382209,	AA027168, AA382209, AI935351, AB023172	AB023172
		_	is any integer between 1 to 1298 of				
		_	SEQ ID NO:2105, b is an integer of				
		_	15 to 1312, where both a and b				
		_	correspond to the positions of				
			nucleotide residues shown in SEQ ID				
			NO:2105, and where b is greater				
		_	than or equal to a + 14.				
2106	HWBDL33	901333	Preferably excluded from the	AI263085,	AI671224,	AI263085, AI671224, AI741604, AW055187,	AW055187, H93009,
			present invention are one or more	AW057512,	AA058688,	AW057512, AA058688, AI800594,	AW195361,
			polynucleotides comprising a	AI740946,	AW271301,	AW271301, AW292805,	AA160279,
			nucleotide sequence described by	AI302809,		AA160278, AI769897, AI200257,	A1200257,
			the general formula of a-b, where a	AI628787,		AI735273, AI458862, AI091306,	AI091306,
			is any integer between 1 to 1857 of	AW272744,		AA716336,	AA716336, AI707638,
_			SEQ ID NO:2106, b is an integer of	AA031623,	AI307309,	N59386, A	N59386, AA421911, AW052091,
			15 to 1871, where both a and b	AA088175,	AI824017,	AI824017, AA449402, AA461046	AA461046,
			correspond to the positions of	AI635515,		AA992750, AI699923, AI880867	AI880867,
			nucleotide residues shown in SEQ ID	AIS97746,		W03796, A	AA460478, W03796, AI239461, AI863568,
			NO:2106, and where b is greater	AA448335,		AA582895, AA449267, AI278475	A1278475,
			than or equal to a + 14.	AI691016,		H64963, A	AI758904, H64963, AI278932, AA709030,
				AI418284,		AI361585, AA045175, AA150151	AA150151,
				AI634797,		AA045521,	AA035209, AA045521, AI933321, H59637,
				AA035208,		AA975342, AA917066, AI261533	AI261533,
				AI300367,	AI149430,	T97469, A	AI149430, T97469, AA502528, AI199994,
				AA974453,	AAB10540,	AA411404,	AA974453, AAB10540, AA411404, AA576365, F20467,
				AA040431,	N47960, A	I373386, A	AA040431, N47960, AI373386, AI684553, AI962642,
				AI474422,	AW072561,	AI824266,	AI474422, AW072561, AI824266, R97144, N73170,

AA731356, AI806247, T97468, AA502505, H13072, AA099553, H64964, T96890, T96889, R58859, AIGH128, AA677863, H95741, AA380214, AA040644, T70436, H94215, AI305839, AA506448, AI74473, AI668833, AA56209, R97096, AA507417, T81549, AA361023, AA045294, AA976534, AA974771, AA655003, AI22795, AA441989, AW148422, AW182457, H13276, AA344621, N77074, AA713812, W01926, AA031704, AI733416, AA736644, AA040430, AA101990, N49471, AA781193, AA382998, AI148352, AW452710, AA52220	A1346914, AW361114, AA573910, AA573949, AA314779, AA573920, AA573811, AA573823, AA3192186, AA573162, AA307893 AI791286, AA791498, AA573811, AA573823, AI791286, AA315990, AA307789, AA308019, AW362522, AA315862, AA316846, AA316249, AA315933, AA313200, AA316846, AA316249, AA552332, AA315549, AA588122, AA513769, AI446121, AA315549, AA588122, AA573769, AI446121, AA31569, AA581222, AA573769, AI46658, AA552492, AA574080, AA5731912, AA316658, AA552492, AA574080, AA551912, AA316658, AA552492, AA574080, AA551920, AA317659, AA317842, AA551820, AA317577, AA313418, AW351498, AA551820, AA584947, U54601, AW310541, AW36260, AA51820, AA583270, U54601, AW310541, AW362551, AA58123, AA3144065, AA581266, AA58123, AA3144065, AA581266, AA58123, AA3144065, AA581266, AA58123, AA3144065, AA581266, AA58123, AW3014042, AI444965, AI652625, AI7926800, AI19555, AW008048, AL036638, N71180, AA0203977, AA50329
AA7. AA0. A10. T70. A16. AA3. AA4. AA1. AW1.	Preferably excluded from the present invention are one or more page present invention are one or more present invention are one or more present invention are one or more and proceedides sequence described by the general formula of a-b, where a AA3 is any integer between 1 to 1295 of AB3 SEQ ID NO.2107, b is an integer of AA3 is to 1309, where both a and b correspond to the positions of AA3 nuclectide residues shown in SEQ ID AA4 NO:2107, and where b is greater AA3 AA46 AA46 AA46 AA46 AA46 AA46 AA46
	H2LBA47 901375
	2107

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	AW162194,	AI446809,	AA580663,	AI538885,
	AIS25653,	AI866127,	AI587121,	AW020406,
	AI559872,	AW161579,	AI273179,	AI589428,
	AIS40674,	AI582483,	AL119791,	AL040207,
	AI866608,	AL045500,	AW023863, AL038529	AL038529,
	AW189802,	AI612885,	AI364788, AI572717,	AI572717,
	AI244136,	AI817430,	N99088, A	N99088, AW191916, AI539766,
	AW238730,	AW172745,	AI620810, AI541027	AI541027,
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	AA809974,	AL121365,	AW265004,	AL121328,
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	AW305233,	AA983883,	AI623941,	AA127565,
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	AL039390,	AI690748,	AI866465,	AI335208,
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	AI619587,	AW023351,	AW051059,	N99092, AI349957,
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	A08909, A12297, A93016, X66871, Y10080, A08916,
	AL137271, AL049464, AL122049, A18777, AR068751,
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_	AL137523, U87620, A08912, AF106862, AJ005690,
	AL137557, AF185576, AR038854, AF090934,
_	AL110196, L31396, AL137705, L31397, X63410,
-	AF078844, AL137478, E06743, AL137574, AF061795,
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	AL137488, AF090901, U35846, AL137476, AL080124
	X79812, AL049283, U92068, AF087943, I03321,
	AL080154, I17544, E01314, AL137711, AL050116,
	AF177401, AJ010277, S79832, AF106657, AL0S0092,
	U42766, AF022363, A77033, A77035, AL110171,
	I48979, AF118090, AL049314, A90832, AL137529,
_	AL122045, I68732, A15345, AF210052, A83556,
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	AF031147, AF090903, AL137550, U68387, S83440,
	S77771, AL096751, AL133072, Z97214, AL137479,
	D83032, AF113677, E07108, AF146568, AF061943,
	AL122110, AL080074, AF017437, Y11587, AF176651
	AL117585, A93350, AL133075, AL117457, AF158248
_	AL133031, AL137548, AF114170, S36676, A07647,
· ·	AL133016, D16301, AL117440, AL110225, AR034821,
_	E02221, X63574, I89944, AF111112, AL050277,
	AL133080, X70685, I09499, AL137558, AF139986,
_	AJ006417, AF081197, AF081195, AR011880, A58524,
	A58523, A21103, Y10655, AF126247, Y10936,
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				E08631, AL080140, AL137521, AF026816, U75932,
				S61953, S75997, AR020905, X82434, E03348,
				AL050024, AL122050, AL080159, AL133640,
				AF183393, X52128, U00686, AL096744, I66342,
				AF040751, AL137533, AF061981, U80742, I32738,
				U72621, AL080148, AL080126, AB008792, AL137292,
				AF104032, X56039, AB008791, I41145, X66862,
				AL049339, AF113699, AR029490, Z82022, AF162270,
				AL133557, AL080127, AL110221, AF090900, Y08769,
				AL122093, A23630, AL110222, AL133112, X96540,
				A08911, A18788, AL110159, AL049300, AR038969,
				AL137560, AL117583, A21101, AL133665, AF090896,
				AF137367, E01614, E13364, AL080163, U72620,
				AL133560, AL117648, AF067790, AL110280,
				AR013797, AL133637
2108	HCQAJ72	901415	Preferably excluded from the	AI675865, AI075324, AI815198, AI634717,
			present invention are one or more	AI888294, AW151674, AI817063, AW369331,
			polynucleotides comprising a	AW194118, AI380637, AI436796, AW166169,
			nucleotide sequence described by	AW369360,
			the general formula of a-b, where a	AW190856, AW364300, AI735767, AI080640,
_			is any integer between 1 to 929 of	AA582017, AI445913, AA316115, AI678847,
_			SEQ ID NO:2108, b is an integer of	AI475938,
			15 to 943, where both a and b	AA314225, AI888914, AW304001, AI828325,
			correspond to the positions of	AW272720, AA533047, AA315049, AI559391,
			nucleotide residues shown in SEQ ID	AI801054,
			NO:2108, and where b is greater	AI800431, AI378681,
			than or equal to a + 14.	AW370283,
,				AA884931,
				AW027843,
				AA552670, AA970336, AA316967, AA316233,
				AA307795, AI925030, AW364247, AI537173,
				AI473626, AI291994, AW002338, AI610106,
				AI184843, AA442829, AI469656, AA426228,

				ATTACTOR	STIACTOR SACIETER	ATCODATA	ATOLEAGO	
				9050300	מבכבונעת		X1206430	
				10100000	, , , , , , , , , , , , , , , , , , , ,			
				A1924498,			AA425142,	_
				AI445130,			AA315613, AA244356,	
				AA632103,	AW190915,		AA581848, AW152169,	
				AW191880,	AI678427,		AA565444, AW192785,	
				AI891014,	AW370274,		AA314206, AA476675,	
				AI473553,	AA625485,		AA687567, AI675714,	
				AA316508,	AI685830,	AI685830, AA314052, AI434099,	AI434099,	
				AA298537,	AI469613,	AI469613, AI972701, AI972499,	AI972499,	
				AA526975,	AI933636,	T86663, A	T86663, AI623264, AA513297,	97,
				AI581525,	AW080588,	AW080588, AA501945, AI400863,	AI400863,	
				AA315408,	AA298527	AA298527, AA639696, AA421527,	AA421527,	
				AA558986,	AA570785	AA570785, AW303846, AI537212,	AI537212,	
				AI926128,	AI695291,	AI695291, AI986354, AA055880,	AA055880,	
				AI445127,	AW196067,	AW196067, AI580982, AI932444	AI932444,	
				AI919084,	T24475, 1	11471336, A	T24475, AI471336, AI783818, AI924494,	94,
				AA306967,		T24892, A	AA306967, AI867585, T24892, AA506763, AA307841,	11,
				AF088867,	AF038451,	AF038451, AF007791, AF044262,	AF044262, AB016592	5592
2109	HETHC61	901421	Preferably excluded from the	AW162943,	AIS90817	AW162943, AIS90817, AI492171, AI168081	AI168081,	
			present invention are one or more	AA831769,	R25716, J	A359492, A	AA831769, R25716, AA359492, AW238299, R62460,	
			polynucleotides comprising a	AW379689,	C02578, 1	W241754, A	AW379689, C02578, AW241754, AW243207, AI034221	21
			nucleotide sequence described by					
			the general formula of a-b, where a					
			is any integer between 1 to 1363 of					
			SEQ ID NO:2109, b is an integer of					
			15 to 1377, where both a and b					
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:2109, and where b is greater					
			than or equal to a + 14.					
2110	HTXLJ25	901472	Preferably excluded from the	AI829099,	N25625,	AI126506, A	AI829099, N25625, AI126506, AI200037, AI128843,	43,
			present invention are one or more	N34223, A	A743134,	W024969, N	N34223, AA743134, AW024969, N36303, AI217597,	_
			polynucleotides comprising a	AA605122,	AA729493	AA605122, AA729493, AI160533, AW450603,	AW450603,	
			nucleotide sequence described by	AA568193,	AA568681	AW020616,	AA568193, AA568681, AW020616, AI695490, N26904,	04.
			the general formula of a-b, where a	N24885, W	52651, AA	548514, AAB	N24885, W52651, AA648514, AA806507, N35103,	·.

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N72137, AI802647, AI312534, AA729125, N34254, AI219599, H86994, H86995, N39790, R73200,	N25653, AI032141, W00385, AW298649, AA296449,	N28403, R73137, N26781, R26304, AW452862,	AW453038, AI299683, AA988539, W52017, AI039557,	AI361669,	AI674252, T25829, AI452444, N20053, AW074182,	AI984739, AI805445, AA543074, T25828, AA358828,	AL110196,		AI936111,	AA622120,	AW001308,	AI660557,	AA643708,	AA514424,	AA543029,	AA297147,	AI749731,				AI718759,	AI732445,	A1460276,	AI879881,	AI983398,	AA134398,	AA308497,	AA134372,	AA603658,	AA102277,	AI983618,	AI445264,	AI963380,	731C35W4
I312534, A 86995, N39	00385, AW2	781, R2630	AA988539,	AW236299,	I452444, N	AA543074,	AI906328,		A1691072,	AA563933,	AA552519,	AAS52362,	AW000826,	AA643616,	AA025434,	AI732198,	AA025433,				AA554005,	AI832388,	AI720903, AA130541,	AI990957, AA574028,	AI832502,	AA130579,	AA132736, AI748949,	AA133748,	AA130459,	AA297640,	AA130403,	AA506416,	AA100297,	AT672950
I802647, A. H86994, H	F032141, W	73137, N26'	AI299683,	AI141901, AA768761, AW236299, AI361669,	T25829, A	AI805445,	AA653691, AI362330, AI906328, AL110196,	E03671	AW001287, AW300770, AI691072, AI936111	AA622758, AI245950, AA563933, AA622120,	AI801582, AI348065, AA552519,	AA847242, AA622570, AAS52362,	AW050790, AA582787, AW000826,	AA298484, AI732367, AA643616,	AI673534, AA857546,	AI821215, AA470683, AI732198,	AI582013, AA297176, AA025433,	195745			AA583424,	AI721245, AI732444, AI832388,	AI720903,		AA115664,	AA580320,	AA132736,	AA134332, AA055636, AA133748,	AA436898, AI708072, AA130459,	AA134397, AW204007, AA297640,	AI302569, AA316534, AA130403,	AA296956, AI380363, AA506416, AI445264,	AI688106, AA569104, AA100297, AI963380,	AW362172.
N72137, AI AI219599,	N25653, A	N28403, R	AW453038,	AI141901,	AI674252,	AI984739,	AA653691,	AL050024, E03671	AW001287,	AA622758,	AI801582,	AA847242,	AW050790,	AA298484,	AI673534,	AI821215,	AI582013,	AA594300, I95745			AI685117,	AI721245,	AI720621,	AI990978,	AI733759,	AI733760,	AA126912,	AA134332,	AA436898,	AA134397,	AI302569,	AA296956,	AI688106,	AI925567, AW362172, AI672950, AW362167.
is any integer between 1 to 774 of SEQ ID NO:2110, b is an integer of	15 to 788, where both a and b	correspond to the positions of	nucleotide residues shown in SEQ ID	NO:2110, and where b is greater	than or equal to a + 14.				Preferably excluded from the	present invention are one or more	polynucleotides comprising a	nucleotide sequence described by	the general formula of a-b, where a	is any integer between 1 to 1005 of	SEQ ID NO:2111, b is an integer of	15 to 1019, where both a and b	correspond to the positions of	nucleotide residues shown in SEQ ID	NO:2111, and where b is greater	than or equal to a + 14.	Preferably excluded from the	present invention are one or more	polynucleotides comprising a	nucleotide sequence described by	the general formula of a-b, where a	is any integer between 1 to 961 of	SEQ ID NO:2112, b is an integer of	15 to 975, where both a and b	correspond to the positions of	nucleotide residues shown in SEQ ID	NO:2112, and where b is greater	than or equal to a + 14.		
									901473												901494													
									HCNA122				_		_						HSIAL77													_
									2111												2112													

AA298528.	AA100290	AA633163	AT832499	
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, CET / COM			A1300043,	
AA297152,	AA574073,		AA099805,	
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AW365047,	AA132779,		AW058268,	
AIS81967,	AI582108,	AA132843,	AW130348,	
AA298926,	AA134251,	AA132714,	AW376682,	
AW028870,	AI469819,	AI880716,	AA132909,	
AA132846,	AA134371,	AA296954,	AA127117,	
AA297182,	AW376616,	AA298241,	AW268068,	
 AI880399,	AA298344,	AA297180,	AW362573,	
AA054072,	AA877810,	AI749293,	AA877743,	
AI459944,	AW374543,	AA298415,	D25577, C21047,	1047,
AW189415,	AW196745,	AI648502,	AI636811,	
AI680162,	AIS90624,	AI866770,	AI431909,	
AW082594,	AI470293,	AI679620,	AI627880,	
AI824576,	AI826225,	AI963216,	AA225339,	
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AI811785,	AI358213,	AI890907,	AW105620,	
AI345253,	AI345677,	AI573026,	AW196097,	
AW168373,	AW302973,	AI308035,	AW268060,	
AI348854,	AI866111,	AW409931,	AI345608,	
AI680498,	AI284131,	AI345471,	AI251221,	
AW022682,	AI699011,	AI659795,	AI564765,	
AI478123,	AW169462,	AI440239,	AI624548,	N80094,
AI800138,		AI917252,	AI570169,	
AI818578,				
AI613471,			AI349937,	
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AI400725,	AI886753,	AI471227,	AW302988,	
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AI814087,		AI687065,	AI698391,	
AI345735,		AI345416,	AI445165,	
AI345612,			AIS90423,	
AW087938,	AA493923,	AW078945,	AI445368,	

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	AI2	AI284484, AI334884, AI932794, AI591407,
-	AIT	AI744256, AI870192, AI446373, AW302073,
	ALC ALC	AL037030, AI349967, AI539847, AW080279,
	AI	AI306705, AI366985, AI345787, AW105455,
	AIE	AI801523, AI783504, AI610799, AW302992,
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	AWZ	AW263453, AI587606, AI783861, AI468872,
	AIG	
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	AFC	AF038562, AF036941, AL080127, AF061943,
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	96D	U96683, AF158248, AF113694, AR000496, U39656,
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	ALC	AL049314, AJ238278, X84990, AL117585, AL117457,
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	AFG	AF026124, E03348, Y11587, AR059958, I03321,
	ALI	AL133093, A77033, A77035, X82434, AB007812,
	ARC	AR038969, AR038854, L19437, AF090943, I48979,
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	ALC	AL050138, AL050393, A08912, AF081197, AJ012755,
	AFC	AF090900, AF113690, AF113677, AF113691,
	ALC	AL080124, AL137550, AF111851, AF153205, S78214,
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	ALC	AL080159, AL133640, E02349, Z82022, AF183393,
	AL	AL137538, AL122098, AF061795, Y14314, AF151685,
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	AL	AL110221, AR011880, AL122110, AF026816, X63574,
	AL:	
	AF	AF091084, AL117432, AL133645, AL133560,
	AF	AF061573, S61953, AL133067, AL137478, AL049382,

			AL.117582 RISEGG AP112012 AL.050116 AL.022657
-			U49908, AL080086, AF078844, I26207, AF119337,
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			I42402, Z37987, AF090901, X65873, AF079765,
			AL137463, AF104032, AF111112, AF081195, U00763,
			AL122049, AL137526, AF118064, I09360, X87582,
			E05822, AL122050, AL133098, AL133557, AF017152,
			AL133075, AF113676, AL133077, S68736, AL133568,
			AL133014, U80742, U78525, AL133113, E02221,
			AF106862, X96540, A93016, AL049452, AL137560,
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			ALOS0149, AF125948, AF185576, U35846, AJ006417,
			AF057300, AF057299, AL110280, X72889, A58524,
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			AL050024, Y11254, AJ000937, AL049430, U58996,
			AL137459, AF111849, A93350, Y09972, AL050108,
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			Y07905, AL133072, U42766, AL137521, AB019565,
			AF067790, AL133104, AL137557, AL049283, X70685,
			AL137648, AF079763, AJ242859, E07108, A07647,
			E08631, AF125949, L31396, E00617, E00717,
			E00778, U68387, AL050146, AL110225, AL117394,
			A12297, AL133606, L31397
2113 HRA	HRACJ32 901515	5 Preferably excluded from the	AI675414, AW151946, AI095584, AW298180,
		present invention are one or more	AI871918, AI377209, AA031514, AI565078,
		polynucleotides comprising a	AA975518, W52564, AW189257, AI922822, AI758884,
		nucleotide sequence described by	AA987674, AA908398, AI679314, AA908479,
		the general formula of a-b, where a	AA828906, W31903, W60256, AA528246, W39266,
		is any integer between 1 to 1159 of	AA977868, AIS70763, AA970839, AI920871,
_		SEQ ID NO:2113, b is an integer of	AW338549, AI696789, AI962006, AA344350,
-		15 to 1173, where both a and b	AA299556, AA910725, AI219260, AA299411,
		correspond to the positions of	AI921665, AA031513, AA887197, AI888609,
		nucleotide residues shown in SEQ ID	AA937044, AI925329, AI888421, T27673, AA033870,
		NO:2113, and where b is greater	AA034355, AI537808, AW297694, AA029323,
		than or equal to a + 14.	AA173929, T27577, AI869462, AA335005, AI933599,

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	 AIS64290,	AI282930,	AI697324,	AI524654,
	AIS54821,	AW161579,	AI687295,	AL079960,
	AI961589,	AA641818,	AI572396,	AI382670,
	AW079572,	AI114703,	AI699143, AA420722,	AA420722,
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	AI242248,	AI802542,	AL036901, AL037454,	AL037454,
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	AI340603,	AI590043,	AI909697, AW021717,	AW021717,
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	AI866465,	AL039086,	AI623682,	AW023338,
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	 AI363957,	AI916419,	AA833760,	AW020693,
	AI811912,	AI281653,		AI440263,
	AI473536,			AI624943,
	 AI699011,			
	AI954080,	AA572758,	AI824746,	AI241923,
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	AI634736, AI638798, AW0S1059, AI690813,
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	AF057299, AL137271, AL110222, AL122050,
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	A08916, X16645, X62580, AF113699, AL137533,
	AF106657, AL137527, AL122123, AL080234, A08913,
	AF067790, AF100931, AR038969, A77033, A77035,
	AF153205, S78214, AL133113, AL137557, I33392,
	I66342, AF061573, AL110196, AL133640, I48979,
	AL137558, AL137488, E02221, S76508, I89931,
	I09499, A08912, AL133606, M86826, AR029490,
_	AF139986, U42766, AL137283, AL049300, AL117457,
	ALO80148, AL110221, L04504, AF061943, X53587,
	AR011880, AL122110, S75997, AJ238278, AL117460,
	X57961, I68732, S61953, A65341, AL133080,
	Z82022, AL110197, X84990, Y09972, AL133665,
	AL117435, I00734, A08910, U49908, AF090934,
	A08909, E05822, AL137550, AF090886, AF090903,
	AL133093, E00617, E00717, E00778, AF113013,
-	AL137521, E12747, D83032, AL133560, AR038854,
	AB019565, AR013797, A08907, A08908, E02349,
	AF111851, AL133075, AL122093, Y07905, AL133565,

				AF008439, A21103, AF078844, AF113677, AF118094,
				AF159615, Z37987, AL050149, AL133016, AL096744,
	_			AF158248, S68736, A15345, AF113019, X82434,
			-	AL049430, AF125949, AF177401, AL117432,
				AL137479, AF126247, X79812, AF118070, AL137640,
				AJ242859, AL122100, AF061795, AF151685,
				AF106862, 149625, AF017437, AL049452, AF176651,
	-			AF090900, X98834, I89934, AL080086, AJ000937,
				AF113690, A18777, AF097996, AL049466
2114	HMGB125	901567	Preferably excluded from the	AA195220, AW340394, AW245451, AW249311,
			present invention are one or more	AW247523, AA411315, AW245809, AA843490,
			polynucleotides comprising a	AI744583, AI832220, AI376745, AW166921,
			nucleotide sequence described by	AI671163, AI917768, AI536948, AA195229,
			the general formula of a-b, where a	AI751173, AW118765, AI751172, AI270398,
			is any integer between 1 to 1694 of	AI934874, AI635792, AI480259, AA677092,
			SEQ ID NO:2114, b is an integer of	AI689138, AI992041, AI217673, AA470811,
			15 to 1708, where both a and b	AI873294, AW002588, AI360270, AW087675,
			correspond to the positions of	AA904529, R56232, AI631567, AW014308, AI341110,
			nucleotide residues shown in SEQ ID	N72697, AA884481, AA354601, AA307392, AW248893,
			NO:2114, and where b is greater	R56314, AW276496, C00611, R96718, AW088921,
			than or equal to a + 14.	AI934027, W02478, AA969594, AA766929, AW245106,
				AA626280, AA642780, AA249655, AA677111,
				AI174453, AA416840, R96719, AI472448, AA813404,
				AA416839
2115	HDTE010	901578	Preferably excluded from the	AI587350, X95876, Z79783, U32674
			present invention are one or more	
			polynucleotides comprising a	
			nucleotide sequence described by	
			the general formula of a-b, where a	
			is any integer between 1 to 1863 of	
			SEQ ID NO:2115, b is an integer of	
			15 to 1877, where both a and b	
			correspond to the positions of	
_			nucleotide residues shown in SEQ ID	
			NO:2115, and where b is greater	

			than or equal to a + 14.					
2116	HSSGC06	901621	Preferably excluded from the	AA612669,	AA612669, AW026486, AA612668, AI458253,	AA612668,	AI458253,	
			present invention are one or more	AA311709,	AA311709, AI859961, AA005340, AA005433,	AA005340,	AA005433,	
			polynucleotides comprising a	AA397884,	AA397884, AI751088, AA005434, AA932249,	AA005434,	AA932249,	
			nucleotide sequence described by	AW273329,	AA287706,	AI016843,	AW273329, AA287706, AI016843, N66090, AI205137,	205137,
			the general formula of a-b, where a	AA488248,	W90552, AA	699684, AI	AA488248, W90552, AA699684, AI694508, W90553,	0553,
			is any integer between 1 to 814 of	AA130969,	AA130969, AA609505, AA399646, AI693778,	AA399646,	AI693778,	
			SEQ ID NO:2116, b is an integer of	AA099841,	AA099841, AI201786, AI452981, AA644003,	AI452981,	AA644003,	
			15 to 828, where both a and b	AI085190,	AI808813,	AI202524,	AI085190, AI808813, AI202524, N98636, T60671,	0671,
			correspond to the positions of	AW407236,	R09367, AA	A. 191378, A.	AW407236, R09367, AA191378, AA827388, AI276380,	276380,
			nucleotide residues shown in SEQ ID	AA488193,	H23331, AP	1160239, AZ	AA488193, H23331, AA160239, AA309096, F12355,	2355,
			NO:2116, and where b is greater	AI142701,	T57771, AP	085583, Tt	AI142701, T57771, AA085583, T64868, AA310662,	0662,
_			than or equal to a + 14.	AA357288,	D58848, AA	1055733, RČ	AA357288, D58848, AA055733, R09250, AI183865,	3865,
				AA356179,	M78761, A.	1045074, AZ	AA356179, M78761, AA045074, AA461214, AA190768,	190768,
				T80323, Al	W363425, AI	677821, RI	T80323, AW363425, AI677821, R17951, AL031685,	1685,
				AF131742, AA827467	AA827467			
2117	HSICN14	901875	901875 Preferably excluded from the	AL120519,	AL120519, AL120518, AW167654, AI860695,	AW167654,	AI860695,	
			present invention are one or more	AW340140,	AW340140, AA878120, AA824284, AI829215,	AA824284,	AI829215,	
_			polynucleotides comprising a	AI858970,	AI858970, AI983809, AA723802, AA233673,	AA723802,	AA233673,	
			nucleotide sequence described by	AI910795,	AI910795, AA527075, AI687053, AI289782,	AI687053,	AI289782,	
			the general formula of a-b, where a	AW195947,	AW195947, AA494414, AI680070, AW132045,	AI680070,	AW132045,	
			is any integer between 1 to 2506 of	AI368513,	AI688692,	AW439152,	AI368513, AI688692, AW439152, AI688681, C00730,	C00730,
			SEQ ID NO:2117, b is an integer of	AI697102,	AI697102, AW293340, AA524205, AA514491,	AA524205,	AA514491,	
			15 to 2520, where both a and b	AI337294,	AI858216,	AI857575,	AI337294, AI858216, AI857575, AC005837, Y11274	Y11274
			correspond to the positions of					
			nucleotide residues shown in SEQ ID					
			NO:2117, and where b is greater					
			than or equal to a + 14.				;	

Polynucleotide and Polypeptide Variants

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The present invention is directed to variants of the polynucleotide sequence disclosed in SEQ ID NO:X, the complementary strand thereto, and/or the cDNA sequence contained in a deposited clone.

The present invention also encompasses variants of the polypeptide sequence disclosed in SEO ID NO:Y and/or encoded by a deposited clone.

"Variant" refers to a polynucleotide or polypeptide differing from the polynucleotide or polypeptide of the present invention, but retaining essential properties thereof. Generally, variants are overall closely similar, and, in many regions, identical to the polynucleotide or polypeptide of the present invention.

The present invention is also directed to nucleic acid molecules which comprise, or alternatively consist of, a nucleotide sequence which is at least 80%, 85%, 90%, 95%, 96%, 97%, 98% or 99% identical to, for example, the nucleotide coding sequence in SEQ ID NO:X or the complementary strand thereto, the nucleotide coding sequence contained in a deposited cDNA clone or the complementary strand thereto, a nucleotide sequence encoding the polypeptide of SEQ ID NO:Y, a nucleotide sequence encoding the polypeptide encoded by the cDNA contained in a deposited clone, and/or polynucleotide fragments of any of these nucleic acid molecules (e.g., those fragments described herein). Polynucleotides which hybridize to these nucleic acid molecules under stringent hybridization conditions or alternatively, under lower stringency conditions are also encompassed by the invention, as are polypeptides encoded by these polynucleotides.

The present invention is also directed to polypeptides which comprise, or alternatively consist of, an amino acid sequence which is at least 80%, 85%, 90%, 95%, 96%, 97%, 98%, 99% or 100% identical to, for example, the polypeptide sequence shown in SEQ ID NO:Y, a polypeptide sequence encoded by SEQ ID NO:X or the complement thereof, the polypeptide sequence encoded by the cDNA contained in a deposited clone, and/or polypeptide fragments of any of these polypeptides (e.g., those fragments described herein).

By a nucleic acid having a nucleotide sequence at least, for example, 95% "identical" to a reference nucleotide sequence of the present invention, it is intended that the nucleotide sequence of the nucleic acid is identical to the reference sequence except that the nucleotide sequence may include up to five point mutations per each 100 nucleotides of the reference nucleotide sequence encoding the polypeptide. In other words, to obtain a nucleic acid

having a nucleotide sequence at least 95% identical to a reference nucleotide sequence, up to 5% of the nucleotides in the reference sequence may be deleted or substituted with another nucleotide, or a number of nucleotides up to 5% of the total nucleotides in the reference sequence may be inserted into the reference sequence. The query sequence may be an entire sequence shown in Table 1, the ORF (open reading frame), or any fragment specified as described herein.

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As a practical matter, whether any particular nucleic acid molecule or polypeptide is at least 80%, 85%, 90%, 95%, 96%, 97%, 98% or 99% identical to a nucleotide sequence of the presence invention can be determined conventionally using known computer programs. A preferred method for determining the best overall match between a query sequence (a sequence of the present invention) and a subject sequence, also referred to as a global sequence alignment, can be determined using the FASTDB computer program based on the algorithm of Brutlag et al. (Comp. App. Biosci. (1990) 6:237-245). In a sequence alignment the query and subject sequences are both DNA sequences. An RNA sequence can be compared by converting U's to T's. The result of said global sequence alignment is in percent identity. Preferred parameters used in a FASTDB alignment of DNA sequences to calculate percent identity are: Matrix=Unitary, k-tuple=4, Mismatch Penalty=1, Joining Penalty=30, Randomization Group Length=0, Cutoff Score=1, Gap Penalty=5, Gap Size Penalty 0.05, Window Size=500 or the length of the subject nucleotide sequence, whichever is shorter.

If the subject sequence is shorter than the query sequence because of 5' or 3' deletions, not because of internal deletions, a manual correction must be made to the results. This is because the FASTDB program does not account for 5' and 3' truncations of the subject sequence when calculating percent identity. For subject sequences truncated at the 5' or 3' ends, relative to the query sequence, the percent identity is corrected by calculating the number of bases of the query sequence that are 5' and 3' of the subject sequence, which are not matched/aligned, as a percent of the total bases of the query sequence. Whether a nucleotide is matched/aligned is determined by results of the FASTDB sequence alignment. This percentage is then subtracted from the percent identity, calculated by the above FASTDB program using the specified parameters, to arrive at a final percent identity score. This corrected score is what is used for the purposes of the present invention. Only bases outside the 5' and 3' bases of the subject sequence, as displayed by the FASTDB alignment,

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which are not matched/aligned with the query sequence, are calculated for the purposes of manually adjusting the percent identity score.

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For example, a 90 base subject sequence is aligned to a 100 base query sequence to determine percent identity. The deletions occur at the 5' end of the subject sequence and therefore, the FASTDB alignment does not show a matched/alignment of the first 10 bases at 5' end. The 10 unpaired bases represent 10% of the sequence (number of bases at the 5' and 3' ends not matched/total number of bases in the query sequence) so 10% is subtracted from the percent identity score calculated by the FASTDB program. If the remaining 90 bases were perfectly matched the final percent identity would be 90%. In another example, a 90 base subject sequence is compared with a 100 base query sequence. This time the deletions are internal deletions so that there are no bases on the 5' or 3' of the subject sequence which are not matched/aligned with the query. In this case the percent identity calculated by FASTDB is not manually corrected. Once again, only bases 5' and 3' of the subject sequence which are not matched/aligned with the query sequence are manually corrected for. No other manual corrections are to made for the purposes of the present invention.

By a polypeptide having an amino acid sequence at least, for example, 95% "identical" to a query amino acid sequence of the present invention, it is intended that the amino acid sequence of the subject polypeptide is identical to the query sequence except that the subject polypeptide sequence may include up to five amino acid alterations per each 100 amino acids of the query amino acid sequence. In other words, to obtain a polypeptide having an amino acid sequence at least 95% identical to a query amino acid sequence, up to 5% of the amino acid residues in the subject sequence may be inserted, deleted, (indels) or substituted with another amino acid. These alterations of the reference sequence may occur at the amino or carboxy terminal positions of the reference amino acid sequence or anywhere between those terminal positions, interspersed either individually among residues in the reference sequence or in one or more contiguous groups within the reference sequence.

As a practical matter, whether any particular polypeptide is at least 80%, 85%, 90%, 95%, 96%, 97%, 98% or 99% identical to, for instance, the amino acid sequences shown in Table I or a fragment thereof, or to the amino acid sequence encoded by the cDNA contained in a deposited clone or a fragment thereof, can be determined conventionally using known computer programs. A preferred method for determine the best overall match between a query sequence (a sequence of the present invention) and a subject sequence, also referred to

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as a global sequence alignment, can be determined using the FASTDB computer program based on the algorithm of Brutlag et al. (Comp. App. Biosci.6:237- 245(1990)). In a sequence alignment the query and subject sequences are either both nucleotide sequences or both amino acid sequences. The result of said global sequence alignment is in percent identity. Preferred parameters used in a FASTDB amino acid alignment are: Matrix=PAM 0, k-tuple=2, Mismatch Penalty=1, Joining Penalty=20, Randomization Group Length=0, Cutoff Score=1, Window Size=sequence length, Gap Penalty=5, Gap Size Penalty=0.05, Window Size=500 or the length of the subject amino acid sequence, whichever is shorter.

If the subject sequence is shorter than the query sequence due to N- or C-terminal deletions, not because of internal deletions, a manual correction must be made to the results. This is because the FASTDB program does not account for N- and C-terminal truncations of the subject sequence when calculating global percent identity. For subject sequences truncated at the N- and C-termini, relative to the query sequence, the percent identity is corrected by calculating the number of residues of the query sequence that are N- and Cterminal of the subject sequence, which are not matched/aligned with a corresponding subject residue, as a percent of the total bases of the query sequence. Whether a residue is matched/aligned is determined by results of the FASTDB sequence alignment. percentage is then subtracted from the percent identity, calculated by the above FASTDB program using the specified parameters, to arrive at a final percent identity score. This final percent identity score is what is used for the purposes of the present invention. Only residues to the N- and C-termini of the subject sequence, which are not matched/aligned with the query sequence, are considered for the purposes of manually adjusting the percent identity score. That is, only query residue positions outside the farthest N- and C- terminal residues of the subject sequence.

For example, a 90 amino acid residue subject sequence is aligned with a 100 residue query sequence to determine percent identity. The deletion occurs at the N-terminus of the subject sequence and therefore, the FASTDB alignment does not show a matching/alignment of the first 10 residues at the N-terminus. The 10 unpaired residues represent 10% of the sequence (number of residues at the N- and C- termini not matched/total number of residues in the query sequence) so 10% is subtracted from the percent identity score calculated by the FASTDB program. If the remaining 90 residues were perfectly matched the final percent identity would be 90%. In another example, a 90 residue subject sequence is compared with

a 100 residue query sequence. This time the deletions are internal deletions so there are no residues at the N- or C-termini of the subject sequence which are not matched/aligned with the query. In this case the percent identity calculated by FASTDB is not manually corrected. Once again, only residue positions outside the N- and C-terminal ends of the subject sequence, as displayed in the FASTDB alignment, which are not matched/aligned with the query sequence are manually corrected for. No other manual corrections are to made for the purposes of the present invention.

The variants may contain alterations in the coding regions, non-coding regions, or both. Especially preferred are polynucleotide variants containing alterations which produce silent substitutions, additions, or deletions, but do not alter the properties or activities of the encoded polypeptide. Nucleotide variants produced by silent substitutions due to the degeneracy of the genetic code are preferred. Moreover, variants in which less than 50, less than 40, less than 30, less than 20, less than 10, or 5-50, 5-25, 5-10, 1-5, or 1-2 amino acids are substituted, deleted, or added in any combination are also preferred. Polynucleotide variants can be produced for a variety of reasons, e.g., to optimize codon expression for a particular host (change codons in the human mRNA to those preferred by a bacterial host such as E. coli).

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Naturally occurring variants are called "allelic variants," and refer to one of several alternate forms of a gene occupying a given locus on a chromosome of an organism. (Genes II, Lewin, B., ed., John Wiley & Sons, New York (1985).) These allelic variants can vary at either the polynucleotide and/or polypeptide level and are included in the present invention. Alternatively, non-naturally occurring variants may be produced by mutagenesis techniques or by direct synthesis.

Using known methods of protein engineering and recombinant DNA technology, variants may be generated to improve or alter the characteristics of the polypeptides of the present invention. For instance, one or more amino acids can be deleted from the N-terminus or C-terminus of the colon cancer related polypeptides without substantial loss of biological function. The authors of Ron et al., J. Biol. Chem. 268: 2984-2988 (1993), reported variant KGF proteins having heparin binding activity even after deleting 3, 8, or 27 amino-terminal amino acid residues. Similarly, Interferon gamma exhibited up to ten times higher activity after deleting 8-10 amino acid residues from the carboxy terminus of this protein. (Dobeli et al., J. Biotechnology 7:199-216 (1988).)

Moreover, ample evidence demonstrates that variants often retain a biological activity similar to that of the naturally occurring protein. For example, Gayle and coworkers (J. Biol. Chem 268:22105-22111 (1993)) conducted extensive mutational analysis of human cytokine IL-1a. They used random mutagenesis to generate over 3,500 individual IL-1a mutants that averaged 2.5 amino acid changes per variant over the entire length of the molecule. Multiple mutations were examined at every possible amino acid position. The investigators found that "[m]ost of the molecule could be altered with little effect on either [binding or biological activity]." (See, Abstract.) In fact, only 23 unique amino acid sequences, out of more than 3,500 nucleotide sequences examined, produced a protein that significantly differed in activity from wild-type.

Furthermore, even if deleting one or more amino acids from the N-terminus or C-terminus of a polypeptide results in modification or loss of one or more biological functions, other biological activities may still be retained. For example, the ability of a deletion variant to induce and/or to bind antibodies which recognize the secreted form will likely be retained when less than the majority of the residues of the secreted form are removed from the N-terminus or C-terminus. Whether a particular polypeptide lacking N- or C-terminal residues of a protein retains such immunogenic activities can readily be determined by routine methods described herein and otherwise known in the art.

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Thus, the invention further includes polypeptide variants which show substantial biological activity. Such variants include deletions, insertions, inversions, repeats, and substitutions selected according to general rules known in the art so as have little effect on activity. The present application is directed to nucleic acid molecules at least 80%, 85%, 90%, 95%, 96%, 97%, 98% or 99% or 100% identical to the nucleic acid sequences disclosed herein, (e.g., encoding a polypeptide having the amino acid sequence of an N and/or C terminal deletion), irrespective of whether they encode a polypeptide having functional activity. This is because even where a particular nucleic acid molecule does not encode a polypeptide having functional activity, one of skill in the art would still know how to use the nucleic acid molecule, for instance, as a hybridization probe or a polymerase chain reaction (PCR) primer. Uses of the nucleic acid molecules of the present invention that do not encode a polypeptide having functional activity include, inter alia, (1) isolating a gene or allelic or splice variants thereof in a cDNA library; (2) in situ hybridization (e.g., "FISH") to metaphase chromosomal spreads to provide precise chromosomal location of the gene, as